UNC NAVAL PRODUCTS

FINAL DECONTAMINATION AND DECOMMISSIONING SURVEYS

UNIT 2
UNIT 3 L- BUILDING FUEL VAULT PACK ASSEMBLY

SURVEY GRID MAPS
LOWER SURFACES
UPPER SURVEYS
SPECIAL SURVEYS
PAINT SAMPLES

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1.0 BACKGROUND INFORMATION:

1.1 Facility Closure

In March of 1990 UNC was notified by the US Government that certain contracts were being terminated, and that no new contracts would be awarded for the manufacture of nuclear components for the US Navy. As a result of the government's action, UNC halted all new work and redirected its efforts toward completing work on existing contracts including a subcontract with Babcock & Wilcox in Lynchburg, Virginia.

1.2 UNC Plans, Schedules

UNC is working to a strict deadline for the completion of the D&D work necessary to meet the objectives outlined below. This deadline is influenced by several factors, the most significant of which is the potential impact of the Federal Low Level Radioactive Waste Policy Act, which may result in all existing LLRW disposal sites becoming unavailable to UNC as of January 1, 1993. Since Connecticut is not scheduled to complete development of it's own disposal site until 1995 or later, UNC's failure to complete all LLRW disposal before 1993 could have several undesirable consequences, among which would be the need to store such materials for three or more years.

In addition to the schedular goals, UNC's D&D Plan objectives are:

1. To decontaminate the facilities and site to permit release for "unrestricted" use.
2. To accomplish the work in a safe and environmentally acceptable manner in accordance with all applicable federal and state laws and regulations
3. To minimize the volume of waste requiring burial.
4. To complete all waste shipments to burial no later than the third quarter of 1992.
5. To maintain exposures As Low As Reasonably Achievable (ALARA) and,
6. To meet the above objectives while performing the work in the most cost effective manner practicable.

A schedule outlining an incremental approach to the decontamination effort has been included in the decommissioning and decontamination plan.

Key elements in this schedule involve the complete decontamination of areas by group and the submittal of radiation survey results for the group so that confirmatory surveys can be scheduled.

Work with fuel in the new Unit 3 fuel vault was stopped in March of 1990 and decontamination efforts were started shortly thereafter, as was work in the Unit 2 fabrication shop. All fabrication work in the remainder of the B-South portion of UNC's facility where unencapsulated uranium was processed was completed during the summer of 1990. Decon efforts were initiated in Pack Assembly and Unit 1 following completion of production efforts in those areas. Decon efforts have been ongoing in all other areas, and UNC is targeting completion of all decon work during 1992 as reflected in our original schedule discussed with the NRC in April 1990 and subsequently incorporated into our D&D Plan.

UNC worked closely with the DOE and B&W to complete all fuel component fabrication work at UNC and all shipment of fuel to the Government or B&W was completed by the end of 1991.

2.0 SITE DESCRIPTION:

2.1 Site Location

The 251 acre UNC site is located in the northeast corner of the town of Montville, New London County, Connecticut (Figure 1). Only a small portion of the site is occupied by the manufacturing facility and the paved parking lot. The Central Vermont Railroad has a right-of-way along the Thames River at the eastern edge of the UNC site. The plant is served by a spur from the railroad and has car and truck access from State Highway 32. The site is bounded on the north by Trading Cove, on the east by the railroad beside the Thames River, and on the south and west by private property (Figure 2). The nearest residence is about 900 feet to the west.

2.2 Facility Description

The UNC operation involved the fabrication of uranium (>90% U235 enrichment) into fuel assemblies and cores for use in naval reactors.

The physical layout of the UNC facility is shown in Figure 2. The plant buildings are set in the side of the valley with the roof line nearly level with the parking lot on the ridge above Trading Cove. A security fence surrounds the building complex. About 24,400 m^2 (250,000 $ft.^2$) is devoted to manufacturing operations, with the remainder used for offices, support facilities, and storage.

The Montville facility was originally built in 1957-59, with small additions in 1961 and 1966. The original buildings were approximately 58 m (190 ft.) by 69 m (225 ft). A major expansion, Building M, completed in 1969 is about 64 m (210 ft) by 73 m (240 ft), with an attached two story office building. All operations with special nuclear material in these buildings were limited to clad fuel.

Following authorization by the AEC (now NRC) in 1972, UNC expanded the Montville site. Building A, which is approximately 82 m (270 ft) by 85 m (280 ft) and is contiguous to Building M, was completed in early 1973. Buildings A and M have a general height of 6.4 m (21 ft) except for a penthouse with a height of 11 m (36 ft) and for the process exhaust stacks on the roofs. Building B, which is approximately 82 m (270 ft) by 73 m (240 ft) was completed in September 1973; the south portion was used for the initial forming and encapsulation of uranium-bearing materials. Building C, which is approximately 73 m (240 ft) by 64 m (210 ft) was completed in May 1973, and contains the main office and clerical functions. Building D was used for inspection on non-uranium bearing materials, bulk storage of other non-uranium materials and recovery of silver. Buildings S, R and T are used for receiving, inspection, and storage of non-uranium materials. Exterior walls of all buildings are a combination of concrete block or insulated metal siding.

3.0 OPERATING HISTORY:

3.1 General Information

Uranium bearing materials were received, handled, stored, processed and shipped in accordance with regulations of the Nuclear Regulatory Commission and as provided by approved licenses.

The license authorized the fabrication of uranium bearing materials into specified shapes: encapsulating the fuel with corrosion-resistant materials and assembling these into larger components or into reactor cores. It also authorized laboratory operations necessary to support these operations in our manufacturing process.

The encapsulation of fuel material early in the process prevented contamination from occurring in plant operating areas during succeeding manufacturing operations. Thus, most of the plant operations were conducted under uncontaminated conditions, identical to most common metal working/fabrication plants.

The Naval Program quality control specifications required that no significant removable alpha contamination be permitted in any of the manufacturing areas. Therefore, smear surveys for removable alpha contamination were taken routinely when the site was operational. For quality control and radiological control purposes, Health Physics process controlled areas discussed in this report were routinely held to maximum removable surface alpha excursions up to 100 disintegrations per minute per 100 square centimeters. Other non-process floor areas within a controlled area could be maintained at $\leq$ 30 disintegrations per minute per 100 square centimeters. These Health Physics records remain on file at our Montville facility.

3.2 Operations Performed

Licensed process activities conducted in these areas involved the fabrication and inspection of unclad fuel components, the assembling of these components into metal packs, and the storage and weighing of fuels. The only nuclear Material involved was uranium, fully enriched in the U235 isotope. No other beta gamma emitters (isotopes with decay modes other than alpha emission or spontaneous fission) were utilized in any manufacturing process.

Operations conducted at the Montville site were located in buildings designated as follows (See Figure #3)

Building	Fuel Handling
Building A	Elements and Components
Building B	Raw fuel, Fillers, Elements, Destructive Inspection, Components, and Laboratories
Building C	None
Building L	Raw Fuel Vault Only; remainder of building never licensed for fuel
Building M	Elements and Components
East Plant	Components
Buildings R, S, T and other auxiliary buildings	None

3.3 The B South Area (Figure 4)

The B South Area contained the radiological controlled production and support operations involving exposed fuel. The relationship of B South to the remainder of the plant can be visualized from Figure 3.

4.0 DECOMMISSIONING METHODOLOGY:

4.1 Objective Implementation and Decommissioning Activities

In order to realize the objectives defined in 1.2, UNC has planned and implemented decommissioning activities incorporating:

- The use of decontamination teams formed from B South operators and supervision, well familiar with past operations and equipment.
- Removal of all glove boxes and other process equipment.
- Removal of all process exhaust ducting.

- Shipment of all metal and compacted trash to a licensed volume reduction facility.
- Removal of interior dry walls and partitions.
- Cleaning of all surfaces.
- Decontamination of surfaces to <<50% average release limits.
- Professional scabbling/sanding of all process area epoxy coated floors that had been previously recoated.
- Extensive paint sampling or paint removal.

4.2 Preliminary Surveys

Radiation surveys had been continuously made during the production operations conducted in the areas described in 4.3. Review of the use and history of each area was coupled with these surveys to determine whether a sub area or room was one of the following:

- Expected Clean
- Expected Contaminated[1]
- Suspect

Radiological control surveys made during dismantling were used to maintain these restrictive controls. At the completion of dismantling, a comprehensive survey of all floor areas was made to reconfirm the initial classification process.

4.3 Specifics for Unit 2, Unit 3 Vault and Pack Assembly Areas

4.3.1 Unit 2, Appendix A - This area contained fully enclosed equipment used to shape the process material into components and other equipment used to perform quality assurance inspections and tests. It had an adjacent personnel change room and shower/wash area.

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[1]UNC Naval Products control limits for removable floor contamination in these areas during manufacturing operations were always less than Reg. Guide 1.86 limits for release of areas for unrestricted use.

The main area was used to weigh fuel and poison material and fabricate fuel and poison components. A distinguishing feature is a large pit in the center of the room which housed hydraulic equipment and fire suppressant equipment. The area had a high suspended ceiling, epoxy coated poured concrete floor, and hollow block concrete walls. All process equipment, exhaust and ventilation have been removed; floors have been scabbled and walls have been paint sampled.

Subsurface excavations were conducted to remove piping, a floor drain, and cracked cement around floor columns.

4.3.2 Unit 3 Vault, Appendix B - The newly constructed process area (1989) saw limited process development use over an eight month period. This room was used to store fully enriched uranium in fuel cans. Small quantities were transferred into glove boxes for weighing and Q.C. quality verification operations. It had an associated change area.

The room is of hollow block wall construction with an epoxy coated poured concrete floor and a concrete slab constructed ceiling. All surfaces are original. There were no wet or machining operations.

The storage portion of the room is bisected by a structure containing rows of stainless steel drawers on both sides (See Figure 5), a certain number of which were used to store the cans. All equipment and process exhausts have been removed.

4.3.3 Pack Assembly, Appendix C - This room was used to assemble the fuel bearing component into a fully enclosed metal package. It had an adjacent change room and wash up area.

Construction consisted of hollow block concrete walls, metal ceiling with a suspended ceiling and an epoxy coated poured concrete floor. All process equipment and exhausts have been removed, floors have been scabbled, and painted walls have been sampled or stripped. A subsurface excavation was made to remove a floor drain and piping.

5.0 FINAL SURVEY PROCEDURES:

5.1 Survey Design

In preparation for preliminary and final surveys, each indoor survey unit (Unit 2, Unit 3 Vault, Pack Assembly) has been divided into two subunits: (1) lower surfaces, comprised of floor surfaces, wall surfaces up to a height of 2 meters, and any other surface easily accessible to a technician standing on the floor; and (2) overhead surfaces, comprised of ceiling surfaces, wall surfaces more than 2 meters above the floor, and all other surfaces not described in (1).

In those areas that had a drop ceiling in place prior to and during all fuel operations, a third subunit has been created. For such areas above the drop ceilings, a random selection of grids covering at least 30 percent of the surfaces have been identified for surveying in accordance with our approved Decontamination and Decommissioning Plan.

The floors and lower walls have been divided using a rectangular grid system. The smaller blocks formed in this manner are referred to as "survey blocks", and the corners of the survey blocks are called "grid points". The choice of the particular grid system varies based on preliminary surveys and the work history of the survey unit.

Unit 2 and Pack Assembly have been gridded on a map utilizing a one meter square grid system. Unit 3 Vault, its change area and associated connecting areas have been map gridded utilizing a two meter square grid system. These grid blocks have been physically transferred to the lower and upper surfaces previously described.

5.2 Survey Readings

The measurements taken on the lower surfaces include direct reading alpha and beta-gamma contamination, and indirect (removable) alpha/beta contamination levels. It was not necessary to measure external gamma radiation levels at 1 meter above the floor for each grid due to the nature of the expected contamination (alpha) but sufficient micro-R readings have been taken at that level to establish external radiation levels.

Each block was surveyed to determine average and maximum levels of contamination and radiation as follows:

For Average Levels:

- o 5 alpha fixed dpm/100 cm^2 taken in a star pattern
- o 5 beta gamma fixed dpm/100 cm^2 taken in a star pattern
- o 1 smear alpha and beta dpm/100 cm^2

For Maximum Point: As determined by an alpha scan

- o 1 alpha fixed
- o 1 beta gamma fixed
- o 1 smear

For any survey grid block, the averaged surface contamination (over not more than one square meter) is constructed from the five readings taken in the star pattern. The maximum point is not a part of this average, unless the value was between the average and maximum guideline level. Maximum point grid readings, when present, were either small elevated hot spots ($\leq$ 100 cm^2) or were remediated to that approximate size.

For the type of radioactive material utilized in these areas - fully enriched unirradiated uranium - it has been demonstrated and accepted in the technical literature that indirect (removable) surface activity is definitively measured by alpha emission. Therefore, when the limits established for alpha activity are not exceeded, the limits for beta/gamma activity, which are applied independently, will not be exceeded.

5.3 Final Alpha and Beta-Gamma Contamination Measurements

5.3.1 Measurements of total alpha activity were performed on lower and upper surfaces as previously described. Count rates in cpm were converted to disintegration rates (dpm/100 cm^2) by multiplying the net CPM by a factor which corrected for the 4 pi efficiency of the probe and the active area of the detector. Effective window area for the alpha probe was approximately 50 cm^2. The minimum detection level for the primary alpha counting instrument is approximately 50 pCi/probe area or 100 pCi/100 cm^2. A count rate of approximately 110 dpm/probe (50 pCi) is considered to be the equivalent of non-detectable.

5.3.2 Fixed beta-gamma readings were taken in a star pattern within the survey grid. Count rates in cpm were converted to dpm/100 cm^2 by taking the net cpm and multiplying by a factor which corrects for 4 pi efficiency of the probe and the active area of the detector. Effective window area for this probe is approximately 15 cm^2. The minimum detectable level based on typical background counts of 60-80 cpm for this detector is approximately 1200-1320 dpm/100 cm^2.

5.3.3 Smear measurements were performed on numbered filter paper disks and placed in labeled smear booklets with the item/location recorded. They were counted in a low background gas proportional counting system. The minimum detectable activity calculated for this system as set up for processing these smears is approximately 18 dpm where there is a 5% chance that a smear with this activity will be counted as less than the MDA and a 5% chance that the smear with zero activity will be counted as exceeding the MDA.

5.4 Paint Sampling

Process operations and/or fuel storage in these areas were engineered and controlled to the extent that floor surfaces were always maintained well below the limits specified in Reg. Guide 1.86. Wall surfaces therefore are not expected to be contaminated. Painted wall surfaces have been extensively characterized to confirm this. Within one meter grids, paint has been removed from a measured 100 cm^2 square area and analyzed for gross alpha. Each paint sample was weighed prior to analysis. Results, reported in dpm/gram/paint sample, can therefore be related to dpm/100 cm^2 area by multiplying activity/gram x sample weight. This result can now be compared to the Reg. Guide 1.86 value for removable contamination. As long as the individual sample weights are available it is possible to group paint samples together for the gross alpha analysis. If the DPM calculated per total grouped sample weight is less than the Reg. Guide value, then the DPM per individual grid sample weight would likewise be acceptable for any of the 100 cm^2 paint samples in the group.

5.5 Instrumentation Used

Direct Radiation Measurements

Bicron Corporation, Newbury, Ohio
- o Model Frisk Tech Rate Meter/Monitor
- o Model A-50 Alpha Scintillation Detector

Eberline Instrumentation Corporation, Santa Fe, New Mexico
- o Model RM-19 Radiation Monitor
- o Model HP-210 "Pancake" GM Detector

Ludlum Instrumentation Corporation, Sweetwater, Texas
- o Model 3 Survey Meter
- o Model 12 Survey Meter
- o Model 19 Micro R Survey Meter
- o Model 43-2 Alpha Scintillation Detector
- o Model 43-5 Alpha Scintillation Detector
- o Model 43-65 Alpha Scintillation Detector
- o Model 44-2 Gamma Scintillation Detector
- o Model 44-9 "Pancake" G-M Detector
- o Model 2221 Single Channel Analyzer
- o Model 239-IF Floor Model System with Model 43-37 Gas Flow Detector and Model 2221 Single Channel Analyzer

Indirect Measurements

Tennelec, Incorporated, Oak Ridge, Tennessee
- o Model LB 5100 Low Background Counting System

6.0 SURVEY FINDINGS/COMPLIANCE CRITERIA:

6.1 Surface Contamination Measurements

6.1.1 Compliance Criteria

Decommissioning criteria for surface contamination has been established in our License SNM-368, Condition 11. These criteria are equivalent to NRC Reg. Guide 1.86.

6.1.2 Comparison of Survey Findings with Compliance Criteria

The survey data presented in Appendices A, B, and C verify that final surface contamination and radiation measurements do not exceed the average and maximum values of license condition 11 (Table 1 values of Regulatory Guide 1.86 as presented in Appendix D).

6.2 Exposure Rates at 1 Meter From Surfaces:

6.2.1 Compliance Criteria

The decommissioning activities conducted in the areas described in the referenced report are designed to stay below specific unrestricted release criteria. For this site, the specific release criteria for exposure rate at one meter from surfaces has been established at $\leq$ 5 micro-R/hr. gamma above background.

In order to demonstrate compliance to this criteria, UNC conducted radiation surveys using Ludlum Model 19 Micro R Survey Meters in accordance with its Decommissioning Plan which states "...it will not be necessary to measure external gamma radiation levels at 1 meter above the floor for each grid due to the nature of the expected contamination (alpha), however, sufficient micro-R readings will be taken at 1 meter to establish area background."

6.2.2 Establishment of Background Radiation Exposure:

In order to insure that the final radiation survey is based upon appropriate levels of background radiation, areas of similar materials of construction and configurations known to be free of any potential contamination were selected for measurement evaluation.

The same instruments used for the final survey were used to construct a series of background readings following the survey pattern illustrated in Figure 6. These readings were then averaged for each selected area.

6.2.3 Establishment of Decontaminated Area External Radiation Exposure:

External radiation surveys were conducted with survey units identified in this report as Unit 2 (Appendix A), Unit 3 Vault (Appendix B), and Pack Assembly (Appendix C).

The Unit 3 Vault and Pack Assembly are single rooms. Unit 2 consists of a number of subareas/rooms. In all cases, each radiation survey taken is referred numerically to a grid map number and a survey grid. Maps have been tabbed in the appropriate appendix. Figure 7 illustrates the format used for reporting the survey data.

6.2.4 Comparison of Survey Findings with Compliance Criteria:

The detailed survey data compiled for Unit 2, Unit 3 Vault and Pack Assembly are included and this data is summarized in Figure 8, confirming that the compliance criteria of 5 micro-R/hr. gamma exposure above background has not been exceeded.

6.3 Subsurface Excavations and Soil Analyses:

6.3.1 Compliance Criteria:

The decommissioning activities and radiation surveys shall verify that the contamination level in the soil does not exceed Option 1 of the NRC's Branch Technical Position entitled "Disposal or Onsite Storage of Thorium or Uranium Wastes from Past Operations," published in the Federal Register on October 23, 1981.

6.3.2 Soil Analyses:

Soil sample data were obtained from gamma ray spectroscopy analysis. Estimated concentrations of total uranium are based on energy lines from the gamma spectra as follows:

U-234	-	assumed to be (R x the U-235 concentration). R = 41.0 for Soil Samples
U-235	-	the 186 KeV from U235
U-238	-	the 93 KeV from Th-234, and 1001 KeV from Pa-234m
Total U	=	(U238 + U235 + R x U235)

Note: Secular equilibrium assumed for Th-234 and Pa-234m.

Note: R = The isotopic ratio of U234/U235 and has been calculated at 41 (avg.) for use at this site.

6.3.3 Comparison of Survey Findings With Compliance Criteria:

Figure 9 displays a summary of final soil sample analysis taken in Unit 2 and Pack Assembly as shown in Figure 10. All results meet the compliance criteria described in 6.3.1.

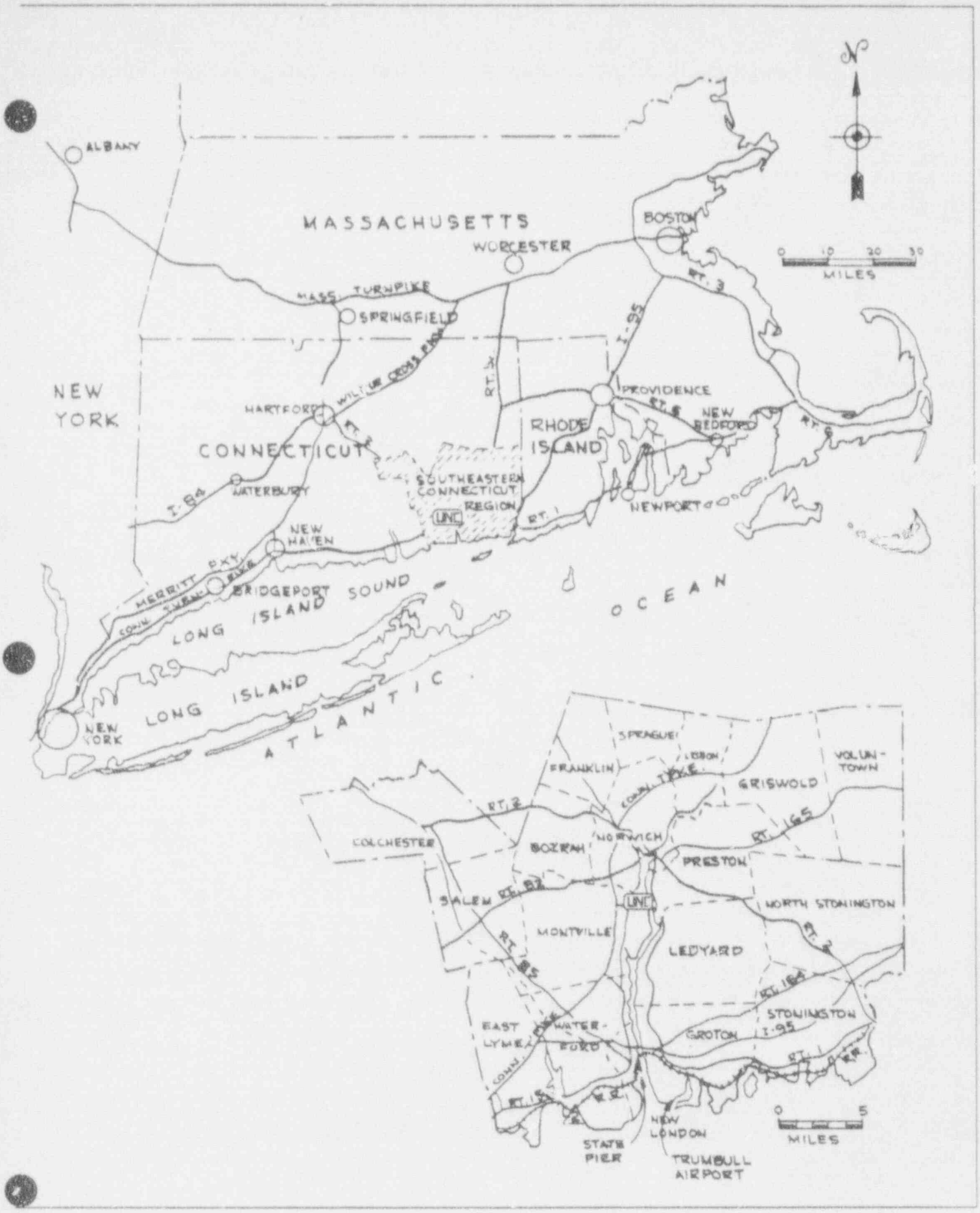

FIGURE 1

LOCATIONAL MAP - UNC
SOUTHEASTERN CONNECTICUT REGION

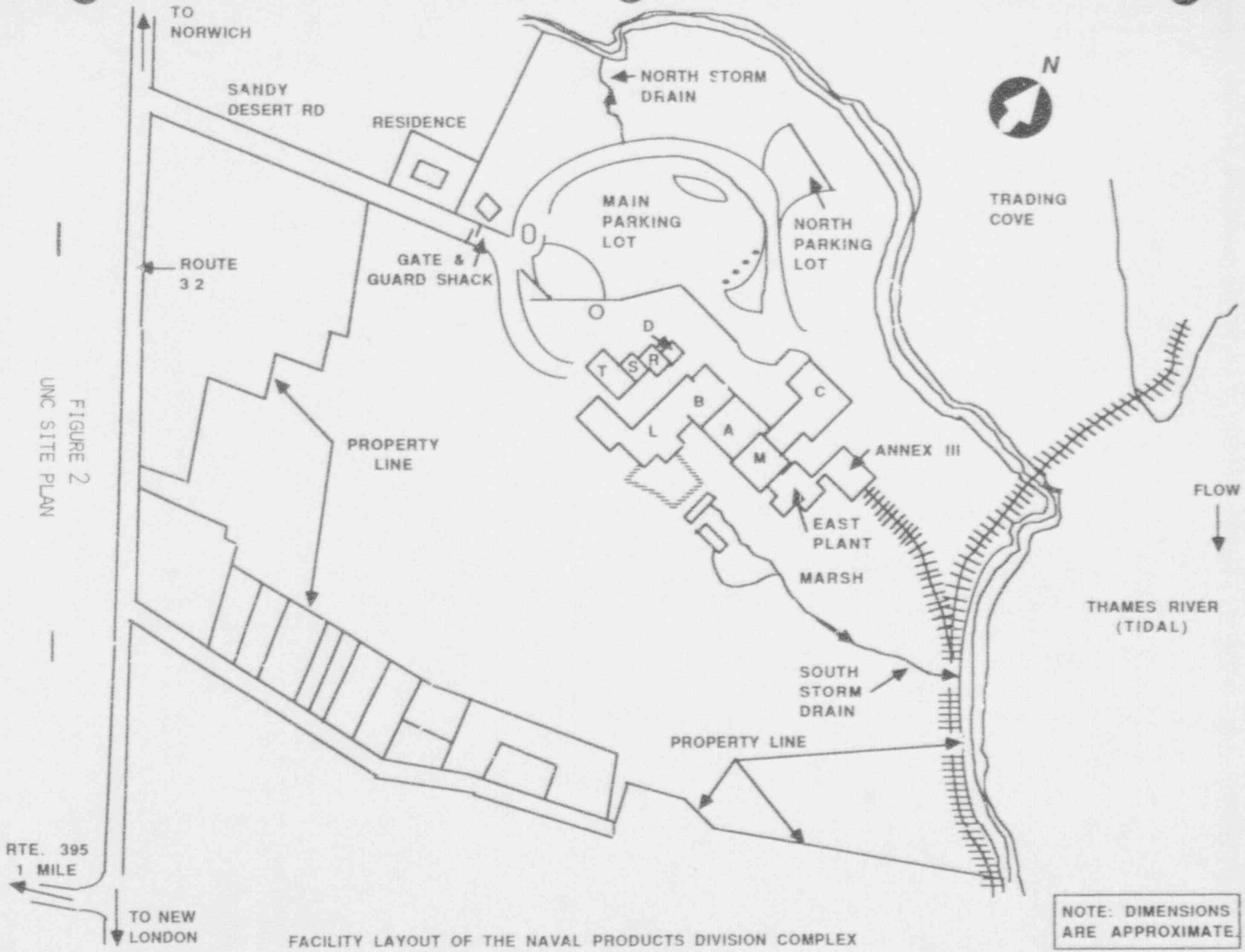

FIGURE 2
UNC SITE PLAN

FACILITY LAYOUT OF THE NAVAL PRODUCTS DIVISION COMPLEX

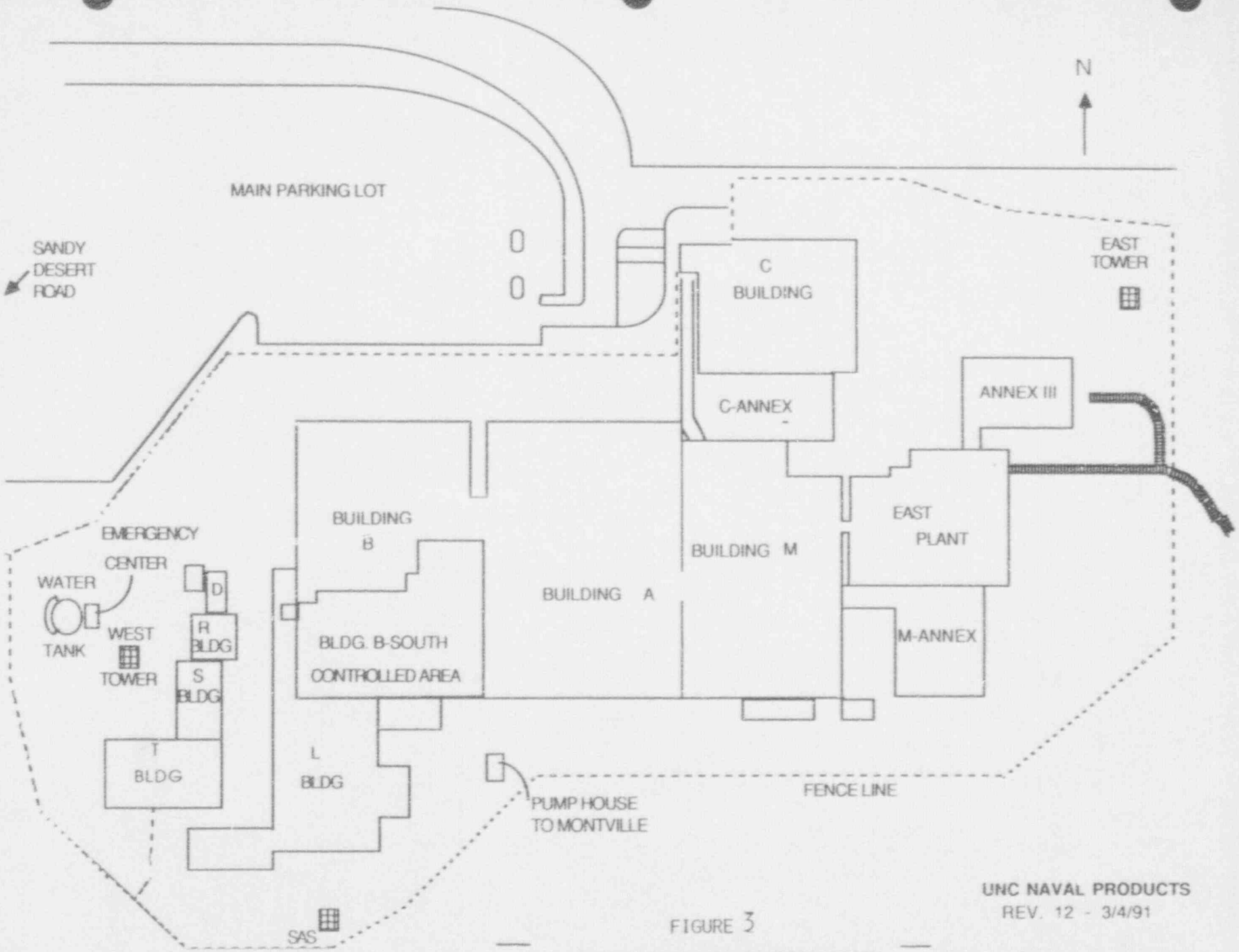

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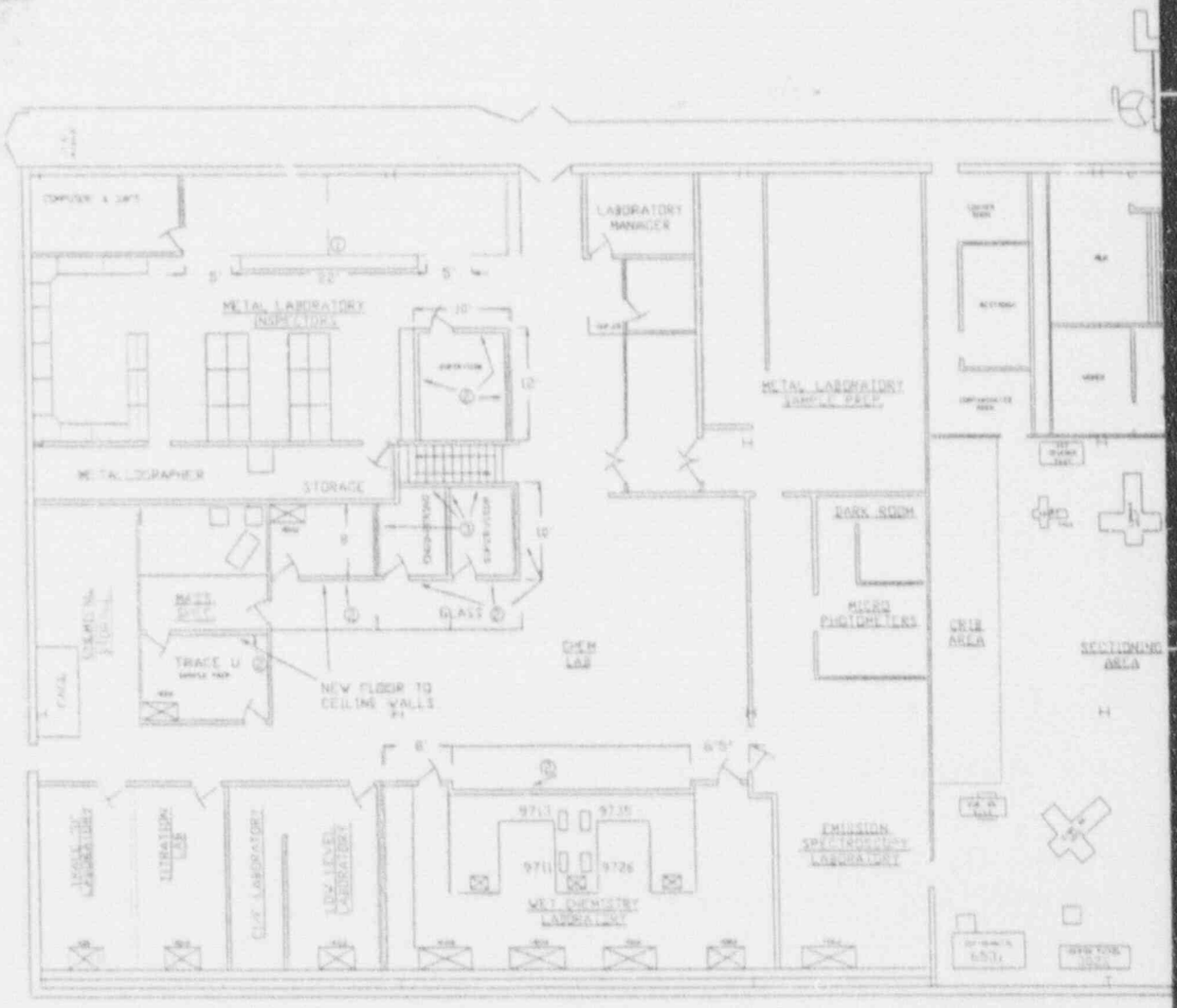
FIGURE 3

UNC SITE BUILDINGS IDENTIFICATION


COMPUTER & DATA
LABORATORY MANAGER
METAL LABORATORY INSPECTORS
METAL LABORATORY SAMPLE PREP.
METALLOGRAPHER
STORAGE
DARK ROOM
MICRO PHOTOMETERS
GLASS
TRACE U
NEW FLOOR TO CEILING WALLS
CHEM LAB
CHEM AREA
SECTIONING AREA
ULTRASONIC LABORATORY
VIBRATION LAB
CLIP LABORATORY
LOW LEVEL LABORATORY
WET CHEMISTRY LABORATORY
EMISSION SPECTROGRAPHY LABORATORY
NORTH

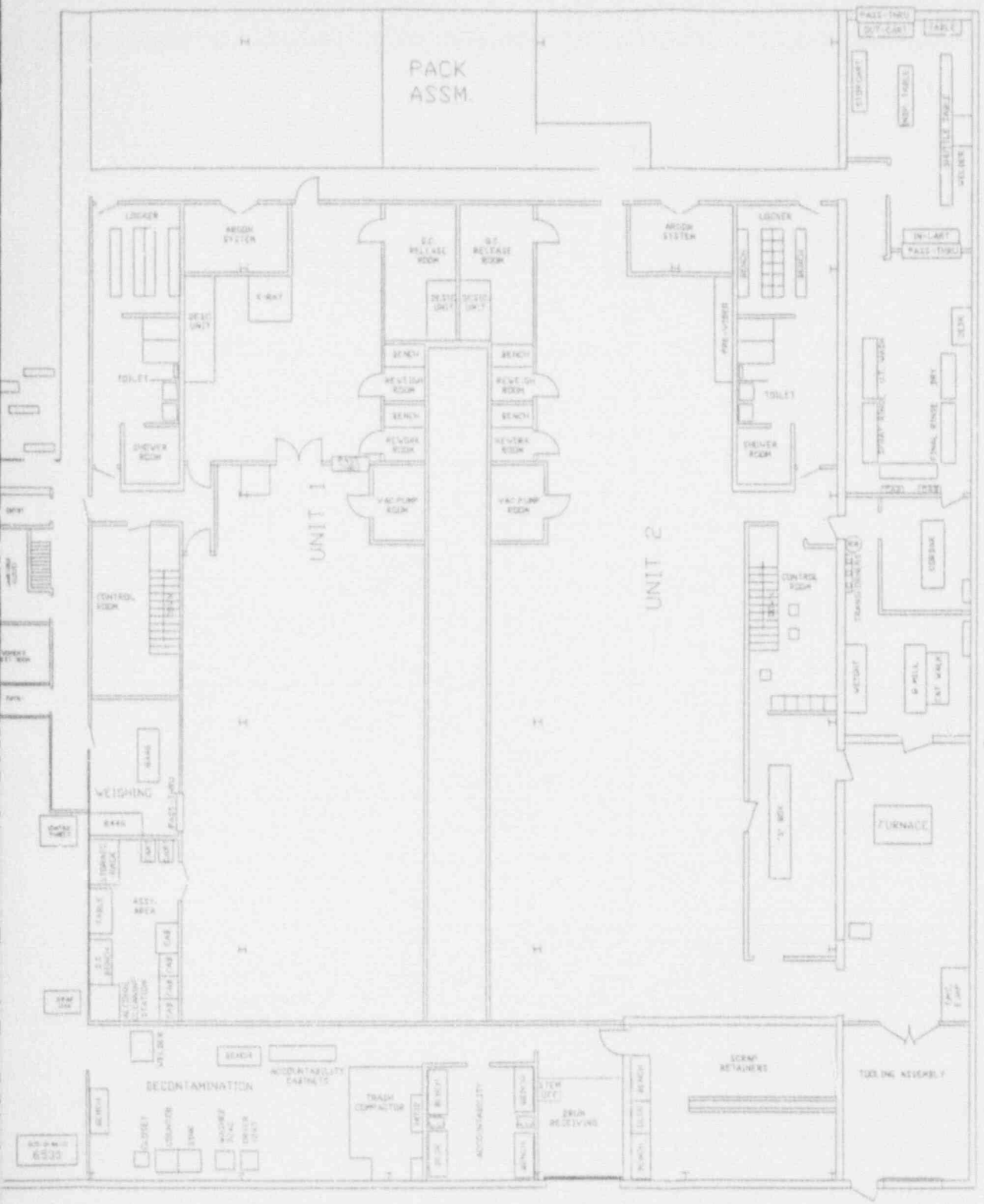


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FIGURE 4
B SOUTH

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FIGURE 5

UNIT 3 FUEL VAULT

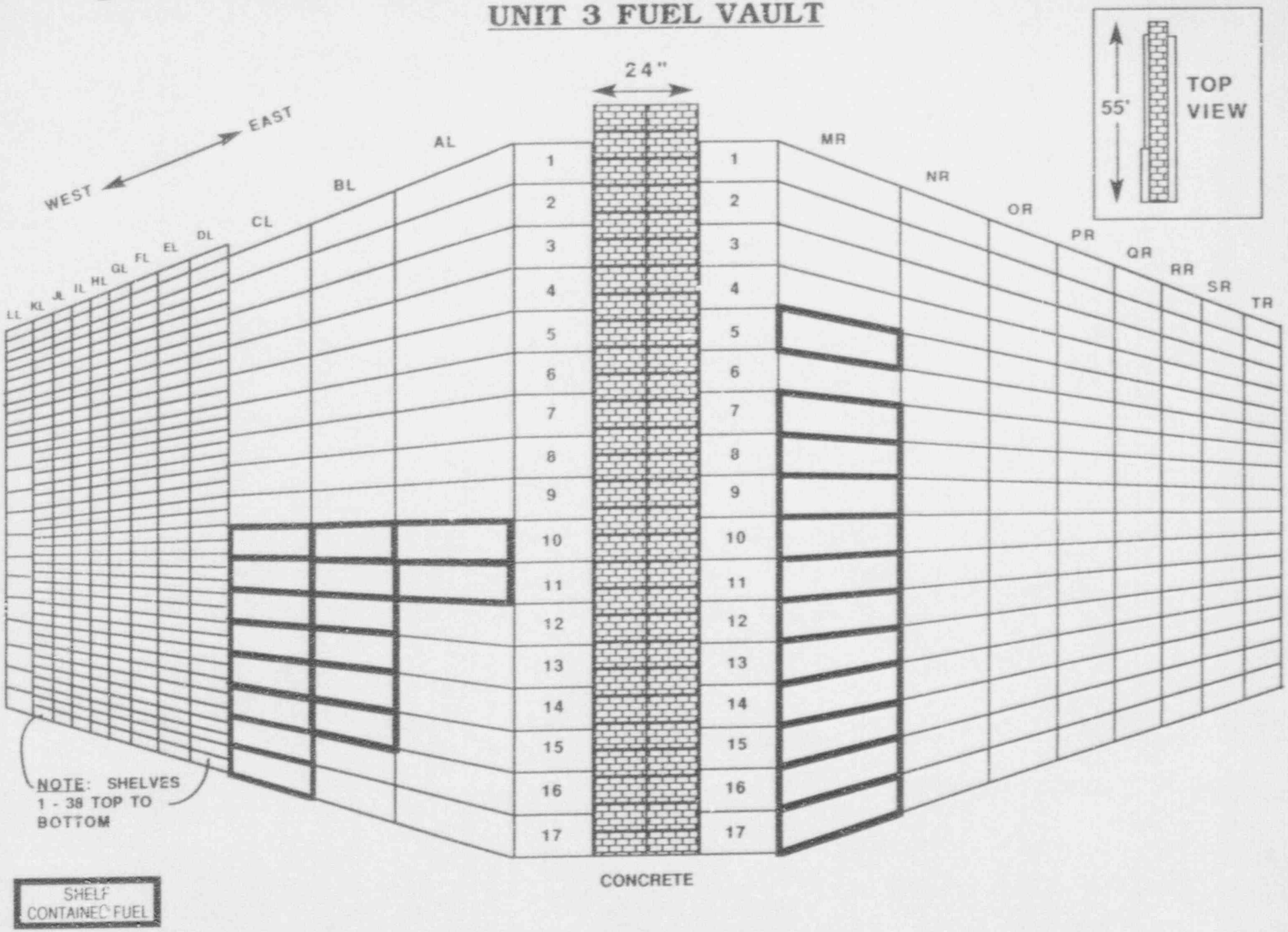
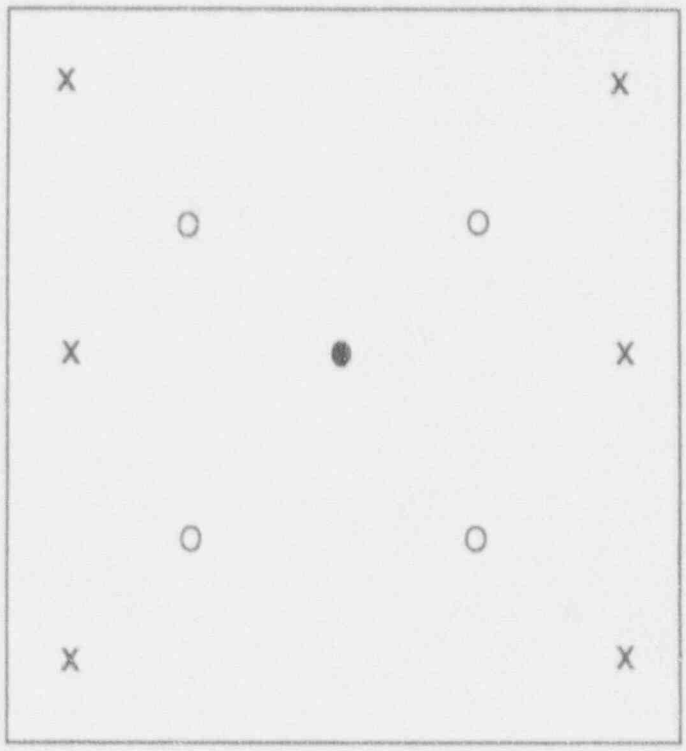


FIGURE 6

APPROXIMATE PATTERN FOR BACKGROUND READINGS



X = 1 METER FROM WALL (S)

● = ROOM CENTER

O = ON DIAGONAL HALF WAY BETWEEN CENTER AND CORNER

FIGURE 7

ILLUSTRATION OF FORMAT USED

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT 1 ELEVATOR PIT
INSTRUMENT:	LUDLUM MODEL 19 #12912
BACKGROUND, FROM ANNEX 2 STRONGBACK PIT	15.60 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
① ► 44 · F-8 ◄ ②	③ 16.00
F-9	16.00
F-10	16.00
AVERAGE	④ 16.00 μR/hr
AVERAGE MINUS BACKGROUND	⑤ 0.40 μR/hr

① Grid Map Number for Survey Area
② Specific Grid Block
③ Micro-R/hr dose rate at 1 meter
④ Averaged readings

$$\frac{\sum_{i=1}^{n} X_i}{n} = \bar{X}$$

⑤ Averaged readings minus averaged background

FIGURE 8

SUMMARY SHEET
RADIATION EXPOSURE RATE ANALYSIS
(μR/hr at 1 Meter)

FINAL REPORT SURVEY UNIT	EXPOSURE RATE ABOVE BACKGROUND AT 1 METER, μR/hr	COMPLIANCE LIMIT, μR/hr
APPENDIX A		
UNIT 2 CONTROL ROOM	0.00	5
UNIT 2 S-BOX ROOM	0.00	5
UNIT 2 LOCKER ROOM	0.28	5
UNIT II ALLEY ROOM	1.15	5
UNIT II MAIN AREA	0.74	5
APPENDIX B		
PACK ASSEMBLY	0.27	5
APPENDIX C		
UNIT 3 VAULT	0.00	5

FIGURE 9

SOIL ANALYSIS

REF. B&W FILE: 9205-016

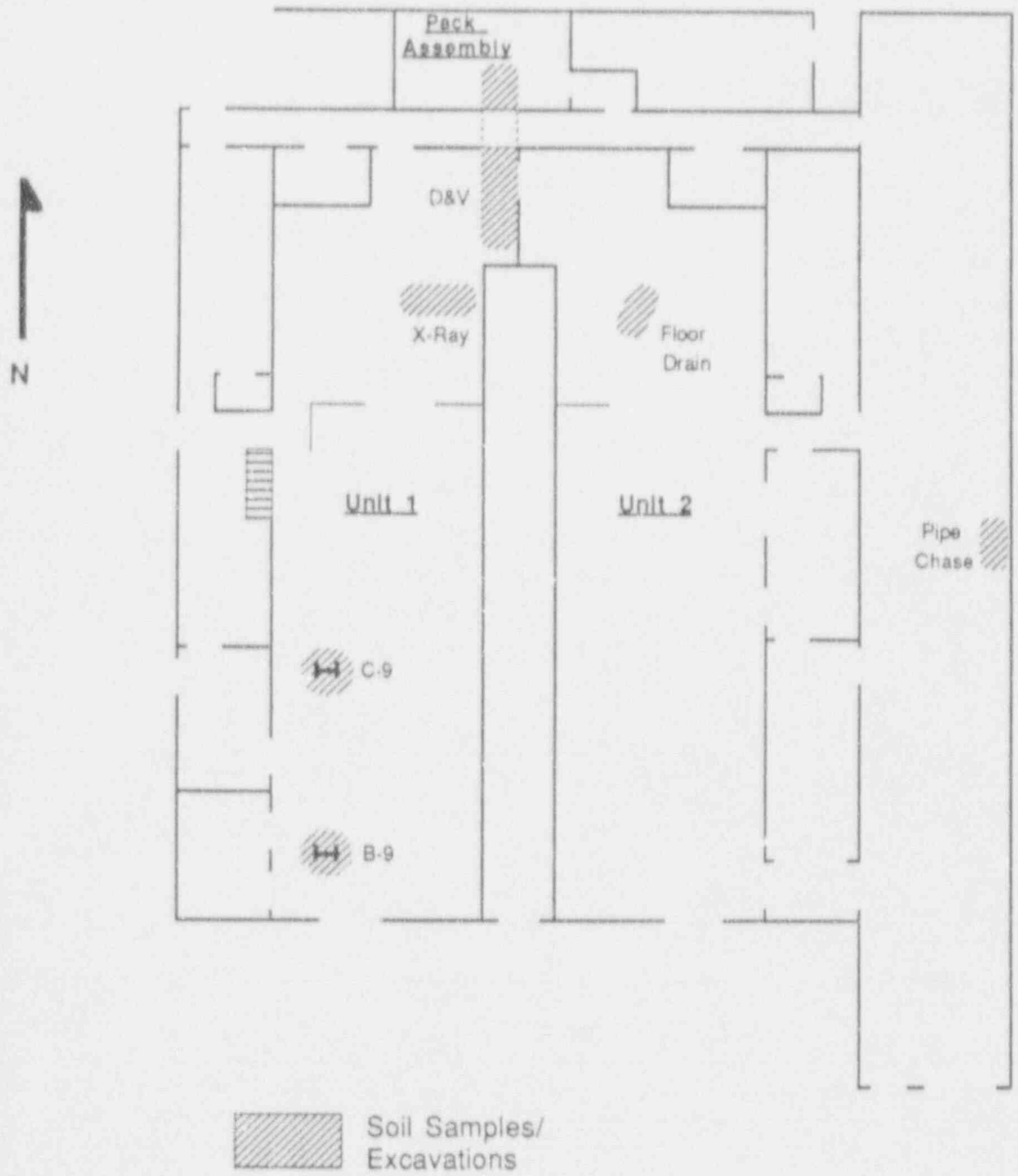
		LAB ID	TOTAL URANIUM pCi/gram		1-sigma
1.	PACK ASSEMBLY TRENCH	UN-1997	1.13	+/-	1.13
2.	PACK ASSEMBLY TRENCH	UN-1998	6.36	+/-	1.07

REF.: B&W FILE 9206-030

		LAB ID	TOTAL URANIUM pCi/gram		1-sigma
1.	UNIT II FLOOR DRAIN MAIN AREA	UN-2264	3.56	+/-	0.70
2.	UNIT II PIPE CHASE	UN-2265	6.01	+/-	0.75

FIGURE 10

Sub-Floor Excavations
Unit 1, 2, Pack Assembly



RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT II MAIN AREA
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	12.80 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
24-C-34	13.50
D-34	14.50
E-34	14.50
F-34	14.00
H-7	13.50
H-9	13.50
H-11	13.00
H-13	12.50
H-15	12.00
H-17	12.00
H-19	12.00
H-21	12.50
H-23	12.50
H-25	13.00
H-27	12.50
H-29	13.00
H-31	13.50
H-33	13.50
H-34	13.50
I-8	14.50
I-10	14.00
I-12	14.00
I-14	13.00
I-20	12.50
I-22	12.00
I-24	12.50
I-26	14.50
I-28	13.00
I-30	13.50
I-32	14.50
J-7	14.50
J-9	13.50
J-11	14.00
J-13	13.50
J-21	13.50
J-25	13.00
J-27	12.50
J-29	13.00
J-31	13.50
J-33	14.50
J-34	13.50
K-7	13.50
K-8	13.50
K-10	13.50
K-12	13.00
K-14	11.50
K-20	12.00
K-22	12.00
K-24	12.00
K26	13.00

AREA:	UNIT II MAIN AREA
K-28	13.50
K-30	13.00
K-32	13.00
K-34	13.00
L-4	14.50
L-5	15.00
L-7	14.50
L-9	13.50
L-11	13.50
L-13	13.00
L-21	13.50
L-23	12.50
L-25	12.00
L-27	13.50
L-29	13.00
L-31	13.50
L-33	13.50
L-34	14.00
M-4	14.50
M-6	13.50
M-8	14.00
M-10	13.50
M-12	13.50
M-14	13.00
M-20	12.50
M-22	13.00
M-24	13.00
M-26	12.50
M-28	13.50
M-30	13.50
M-32	14.00
M-34	14.50
N-4	14.50
N-5	14.00
N-7	13.50
N-9	14.00
N-11	14.00
N-13	13.00
N-15	12.50
N-17	12.50
N-19	13.00
N-21	12.50
N-23	12.50
N-25	13.00
N-27	13.50
N-29	13.50
N-31	14.00
N-33	13.50
N-34	13.50
O-4	14.50
O-6	14.00
O-8	13.50
O-10	14.50
O-12	15.00
O-14	13.00

AREA:	UNIT II MAIN AREA
O-16	13.00
O-18	13.50
O-20	13.50
O-22	12.50
O-24	13.50
O-26	13.50
O-28	14.00
O-30	14.50
O-32	14.50
O-34	13.50
P-4	15.00
P-5	14.50
P-7	15.00
AVERAGE	13.54 μR/hr
AVERAGE MINUS BACKGROUND	0.74 μR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT 2 CONTROL ROOM
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	15.50 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
6-G-8	15.50
G-10	14.50
G-12	15.50
G-14	15.00
H-9	14.50
H-11	14.50
H-13	14.00
H-14	14.50
I-8	14.00
I-10	14.50
I-12	14.50
I-14	14.00
E-12	13.50
E-13	13.00
E-14	13.50
AVERAGE	14.33 μR/hr
AVERAGE MINUS BACKGROUND	0.00 μR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT 2 S-BOX ROOM
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	15.50 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
6-G-16	15.00
G-18	14.50
G-20	14.50
G-22	15.00
G-24	15.50
H-17	14.50
H-19	14.50
H-21	15.00
H-23	15.50
I-16	14.50
I-18	15.00
I-20	15.00
I-22	15.00
I-29	15.50
AVERAGE	14.93 μR/hr
AVERAGE MINUS BACKGROUND	0.00 μR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT 2 LOCKER ROOM
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	14.60 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
25-F-7	15.00
F-9	15.50
F-11	14.50
F-13	14.00
G-6	14.50
G-8	15.00
G-10	15.00
G-12	15.50
G-14	15.50
H-7	14.00
H-9	15.00
H-11	14.50
H-13	15.50
AVERAGE	14.88 μR/hr
AVERAGE MINUS BACKGROUND	0.28 μR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT II ALLEY ROOM
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	12.80 µR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
5-C-3	13.50
C-5	13.00
C-7	14.00
C-9	14.00
C-11	14.50
C-13	13.50
C-15	14.00
C-17	14.50
C-19	14.50
C-21	14.50
C-23	14.00
C-25	14.50
C-27	14.00
C-29	14.00
C-31	13.50
C-33	14.00
C-35	14.50
C-37	15.00
C-39	15.00
C-41	14.50
C-43	14.00
C-45	14.00
C-47	13.50
C-48	14.00
D-4	14.50
C-6	13.50
D-8	13.50
D-10	14.00
D-12	14.00
D-14	14.00
D-16	13.50
D-18	13.50
D-20	13.50
D-22	13.00
D-24	14.00
D-26	13.50
D-28	14.00
D-30	14.00
D-32	14.50
D-34	14.50
D-36	14.00
D-38	14.50
D-40	14.50
D-42	13.50
D-44	13.50
D-46	14.00
D-48	14.00
E-3	13.00
E-5	13.50
E-7	14.50

AREA:	UNIT II MAIN AREA
E-9	14.00
E-11	14.50
E-13	14.50
E-15	14.00
E-17	13.50
E-19	14.00
E-21	13.50
E-23	14.50
E-25	13.50
E-27	15.00
E-29	14.00
E-31	14.50
E-33	14.00
E-35	14.50
E-41	14.50
E-43	14.00
E-45	13.50
E-49	14.50
F-4	13.50
F-6	14.00
F-8	12.00
F-10	13.50
F-12	13.50
F-14	14.00
F-16	13.50
F-18	13.00
F-20	13.50
F-22	13.50
F-24	14.50
F-26	14.50
F-28	14.00
F-30	14.50
F-32	13.00
F-34	14.50
F-36	14.00
F-38	14.00
F-40	14.00
F-42	14.50
F-44	14.00
F-46	14.50
F-48	13.00
G-3	12.50
G-5	13.00
G-7	13.50
G-9	14.00
G-11	13.50
G-13	14.00
G-15	14.50
G-17	14.00
G-19	14.50
G-21	15.00
G-23	14.00
G-25	14.00
G-27	13.50
G-29	14.00

AREA:	UNIT II MAIN AREA
G-31	14.50
G-33	15.00
G-35	14.50
G-37	15.00
G-39	14.00
G-41	13.50
G-43	14.50
G-45	14.50
G-47	14.00
G-48	13.00
AVERAGE	13.95 µR/hr
AVERAGE MINUS BACKGROUND	1.15 µR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	UNIT 3 VAULT
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM 'A' BSMNT METALS PROC. PKL. RM.	18.10 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
1-B-2	20.00
B-4	19.50
B-6	20.00
B-8	19.50
B-10	17.50
B-12	17.00
B-14	18.00
B-16	18.00
B-18	19.00
C-2	20.50
C-3	19.50
C-5	20.00
C-7	17.50
C-9	16.50
C-11	16.50
C-13	15.50
C-15	15.50
C-17	15.00
C-18	16.50
D-2	19.00
D-4	20.00
D-6	19.50
D-8	18.50
D-9	19.00
E-2	19.00
E-4	20.00
E-6	19.50
E-8	18.50
E-10	16.00
E-12	14.00
E-14	14.50
E-16	15.00
E-18	15.50
AVERAGE	17.86 μR/hr
AVERAGE MINUS BACKGROUND	0.00 μR/hr

RADIATION EXPOSURE RATE ANALYSIS
(Micro R/hr at 1 Meter)

AREA:	PACK ASSEMBLY
INSTRUMENT:	LUDLUM MODEL #19 82787
BACKGROUND, FROM SIMILAR AREA/CONFIGURATION:	15.50 μR/hr

GRID BLOCK	EXPOSURE RATE MEASUREMENTS
3-F-6	15.00
F-8	15.50
F-10	15.00
G-5	16.00
G-7	15.50
G-9	15.50
H-6	15.00
H-8	15.00
H-10	16.00
I-5	16.00
I-7	15.50
I-9	16.00
J-6	15.50
J-8	16.00
J-10	16.00
J-11	16.50
J-13	16.00
J-14	16.50
K-5	16.50
K-7	16.00
K-9	16.00
K-11	16.00
K-13	15.50
K-14	16.00
AVERAGE	15.77 μR/hr
AVERAGE MINUS BACKGROUND	0.27 μR/hr

TABLE OF CONTENTS

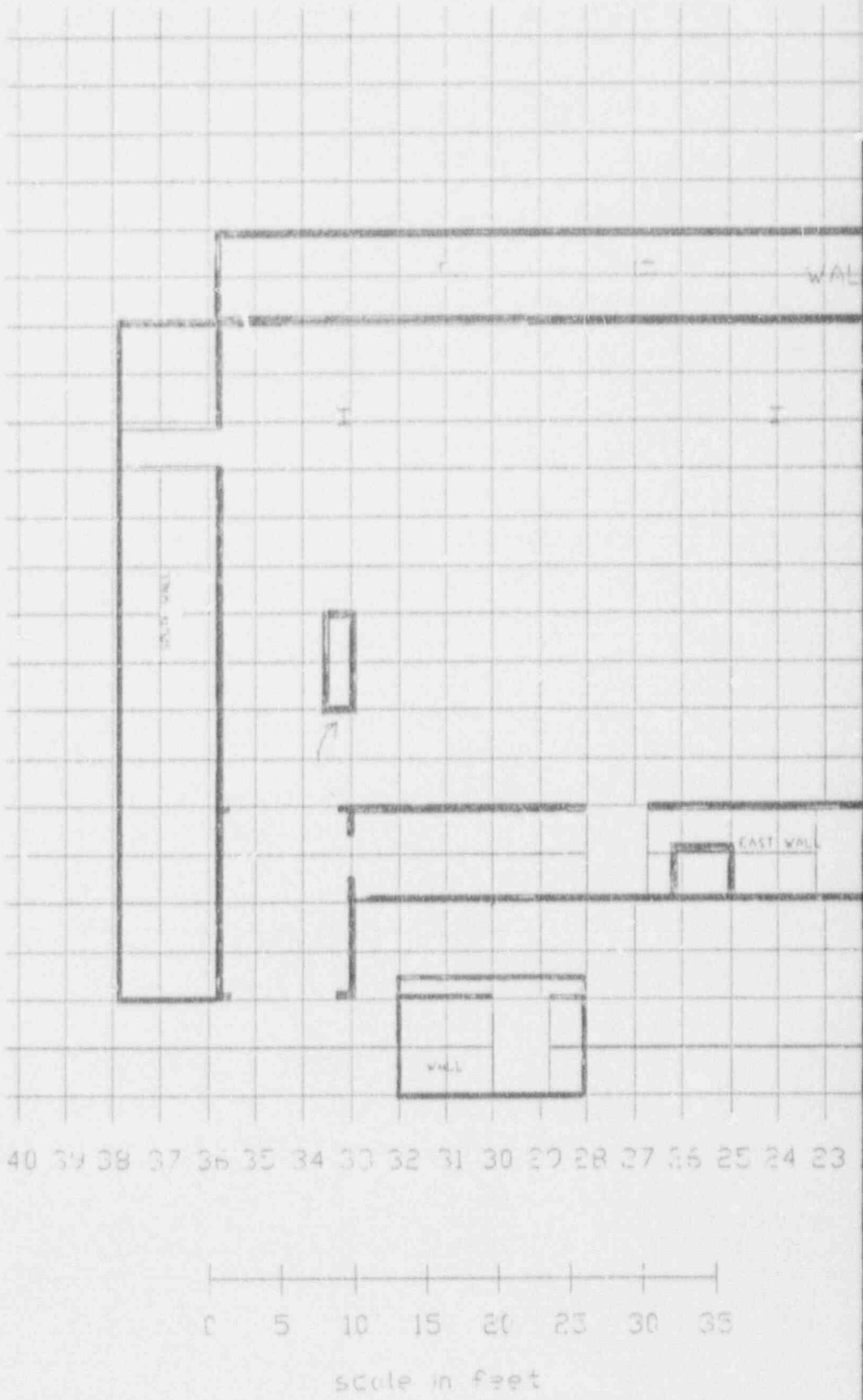
APPENDICES

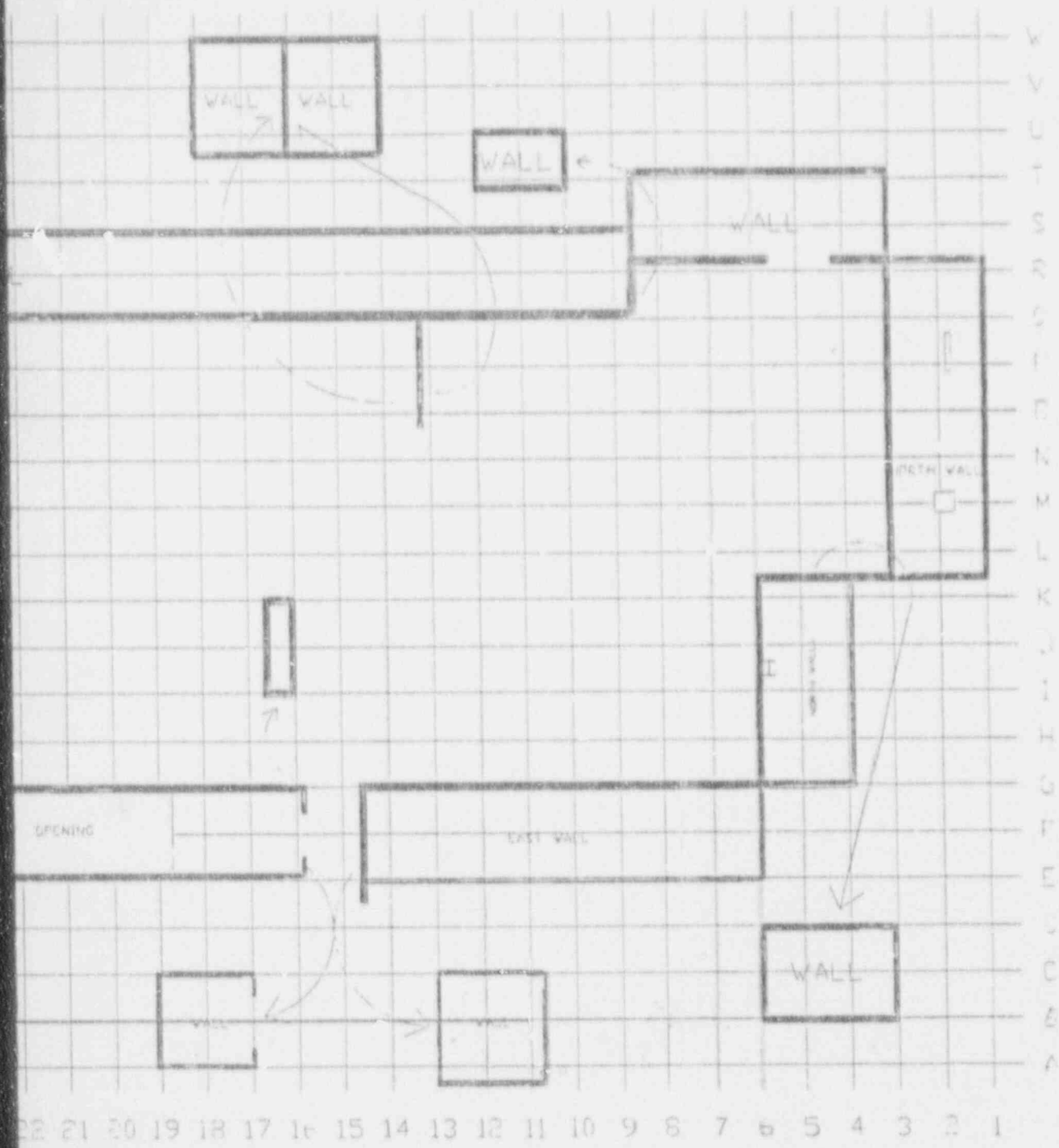
APPENDIX A

UNIT 2
SUPPORT DATA

SURVEY GRID MAPS
LOWER SURFACES
UPPER SURFACES
SPECIAL SURVEYS
PAINT SAMPLES

SURVEY GRID MAPS


WALL
EAST WALL
WALL
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23
0 5 10 15 20 25 30 35
scale in feet



RADIOLOGICAL SURVEY----F1
LOCATION DRESS -2
DRAWING SCALE: AS SHOWN (4)
GRID: 1 METER
ACAD FILE: @CONVPRESS2

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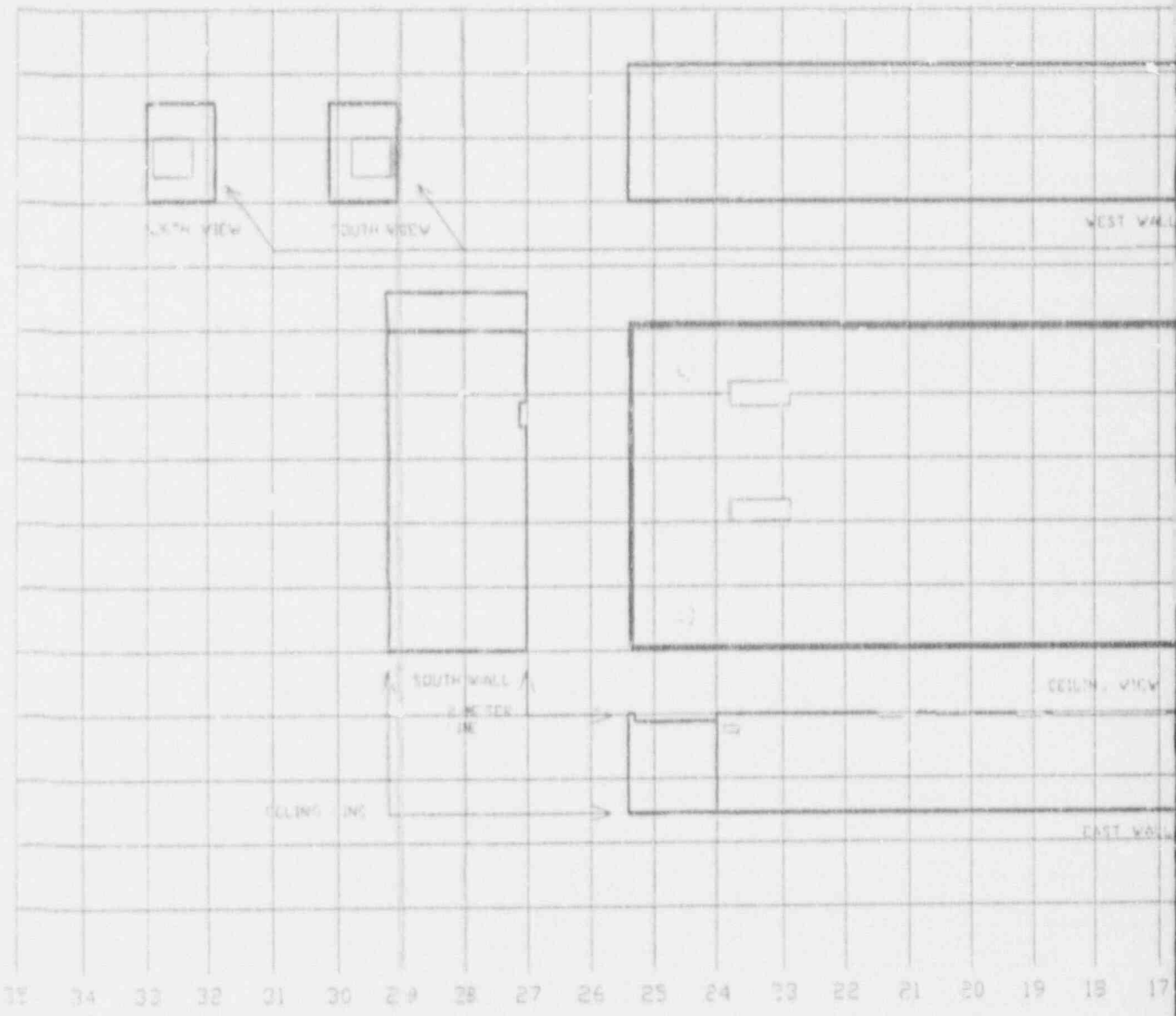
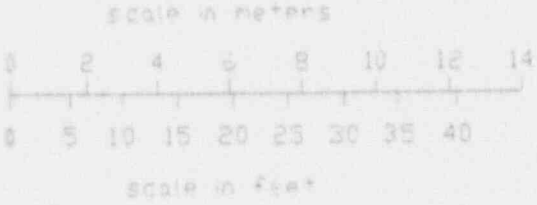
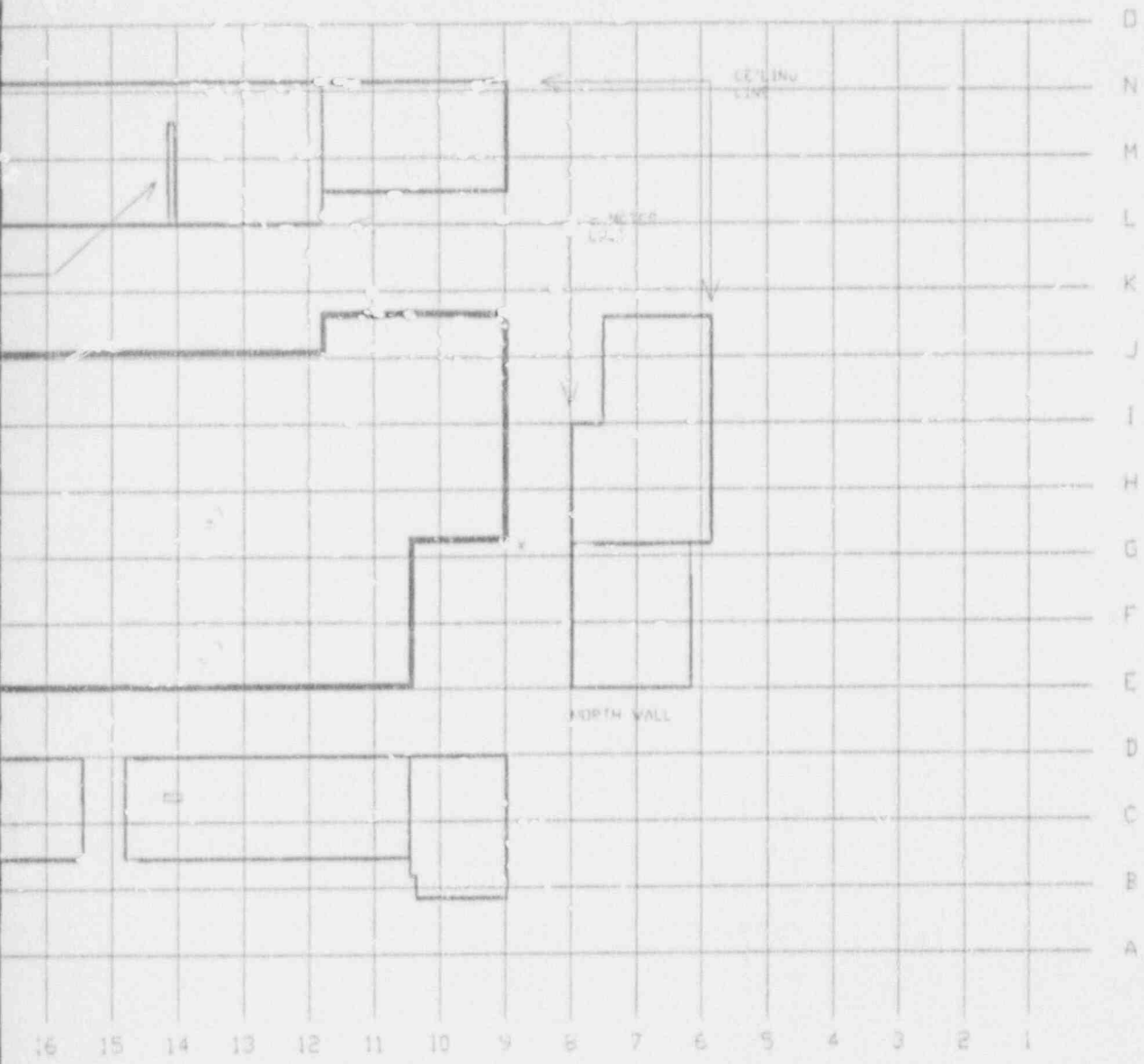
SGM1


SOUTH VIEW
WEST WALL
SOUTH WALL
CEILING VIEW
CEILING INS
EAST WALL
35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17


scale in meters
0 2 4 6 8 10 12 14
0 5 10 15 20 25 30 35 40
scale in feet



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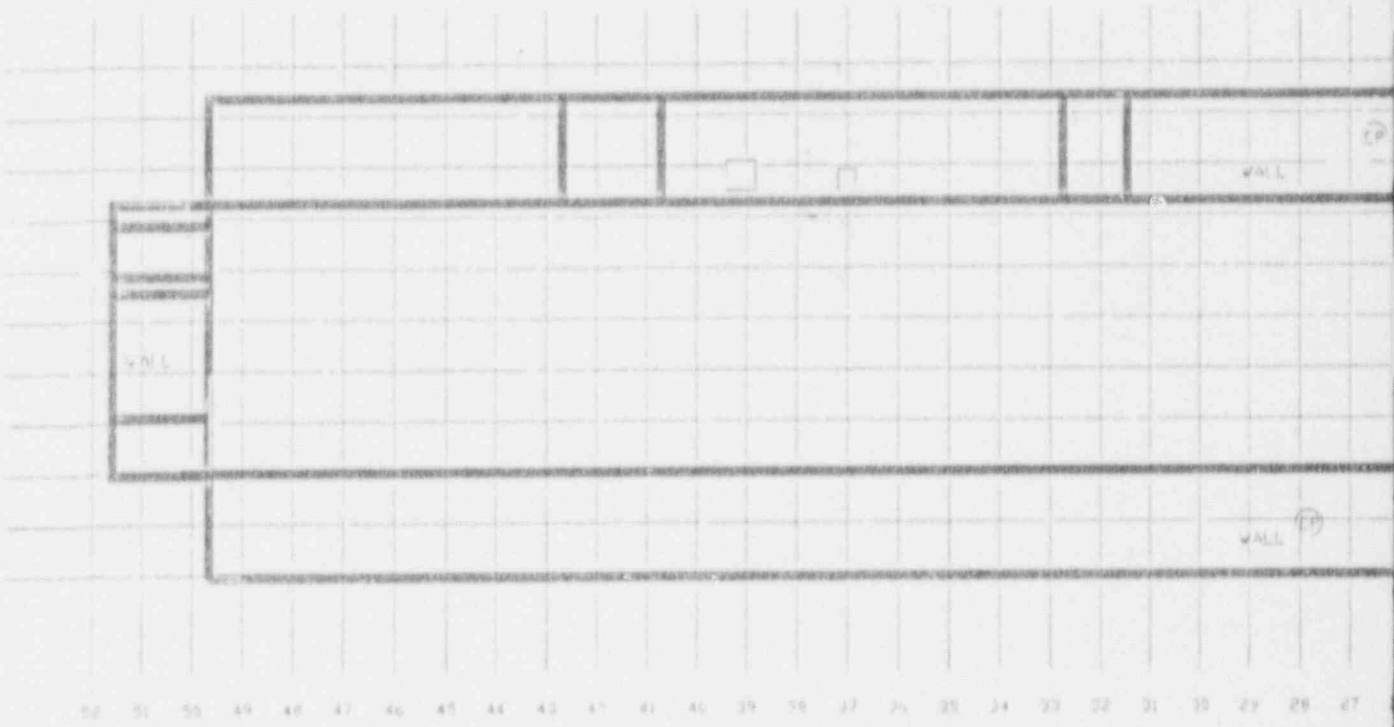
NORTH

KEYS	
L	LIGHT

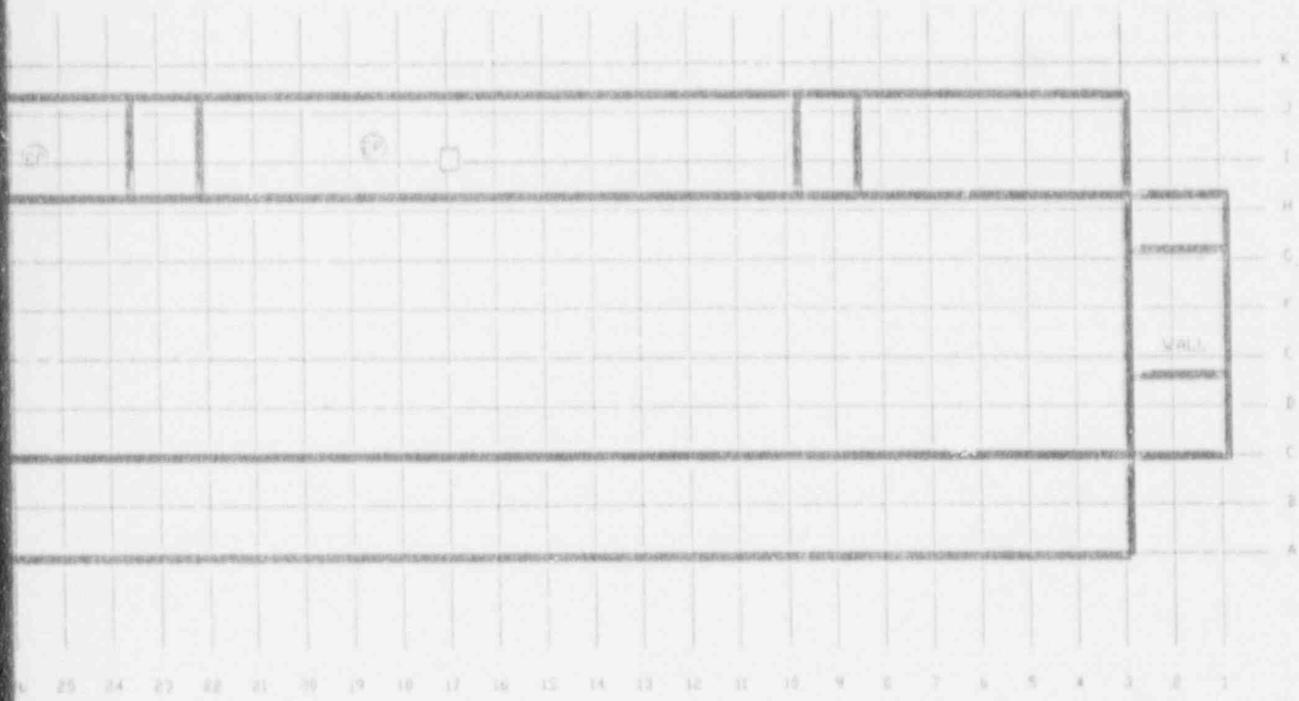
RADIOLOGICAL SURVEY----FINAL
LOCATION: UNIT 2
DRAWING SCALE 1/8" = 1' (204)
GRID: 2 METER
ACAD FILE: DECON\ U2-LM

9212140147-03

SGM2



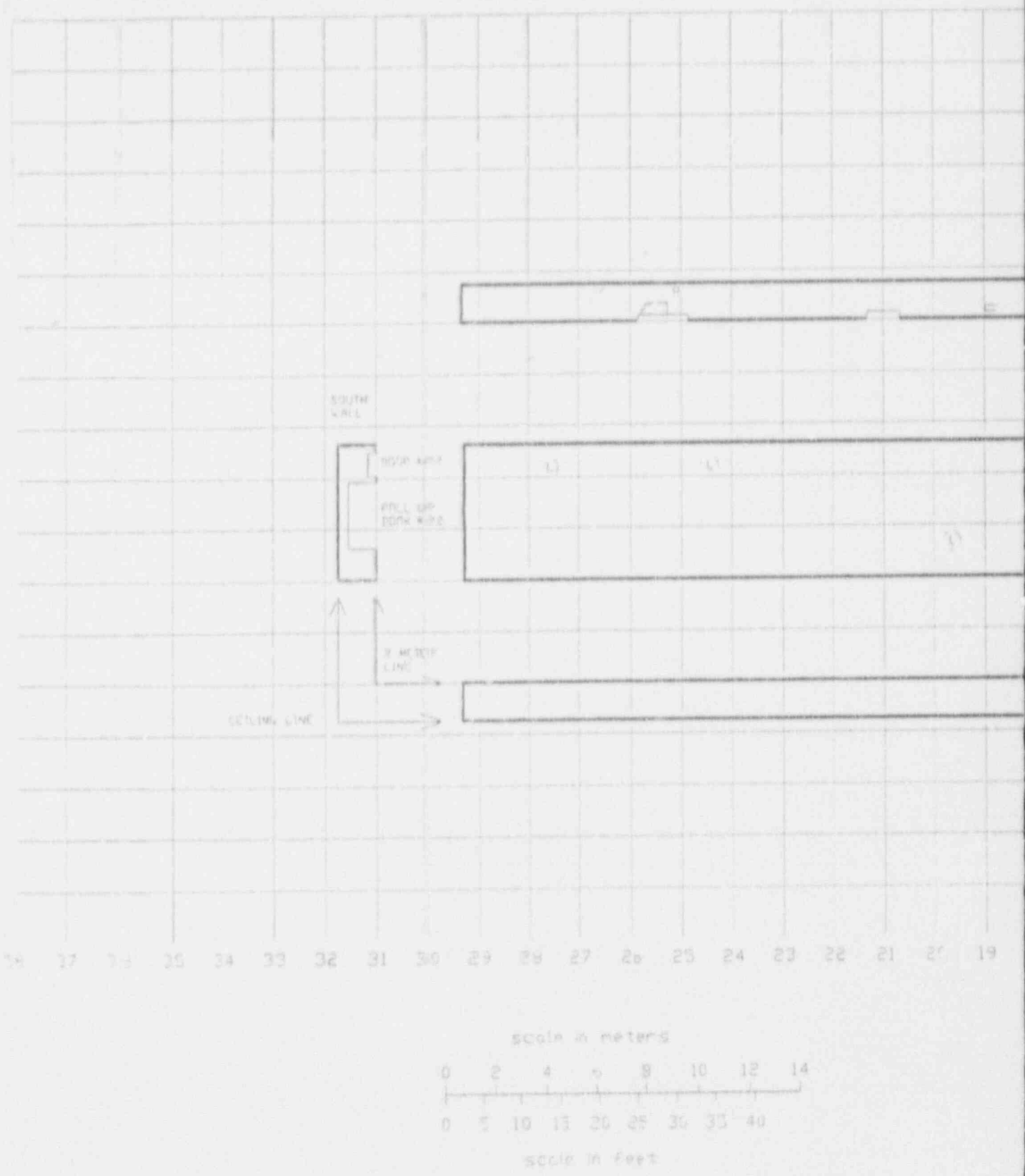
scale in feet

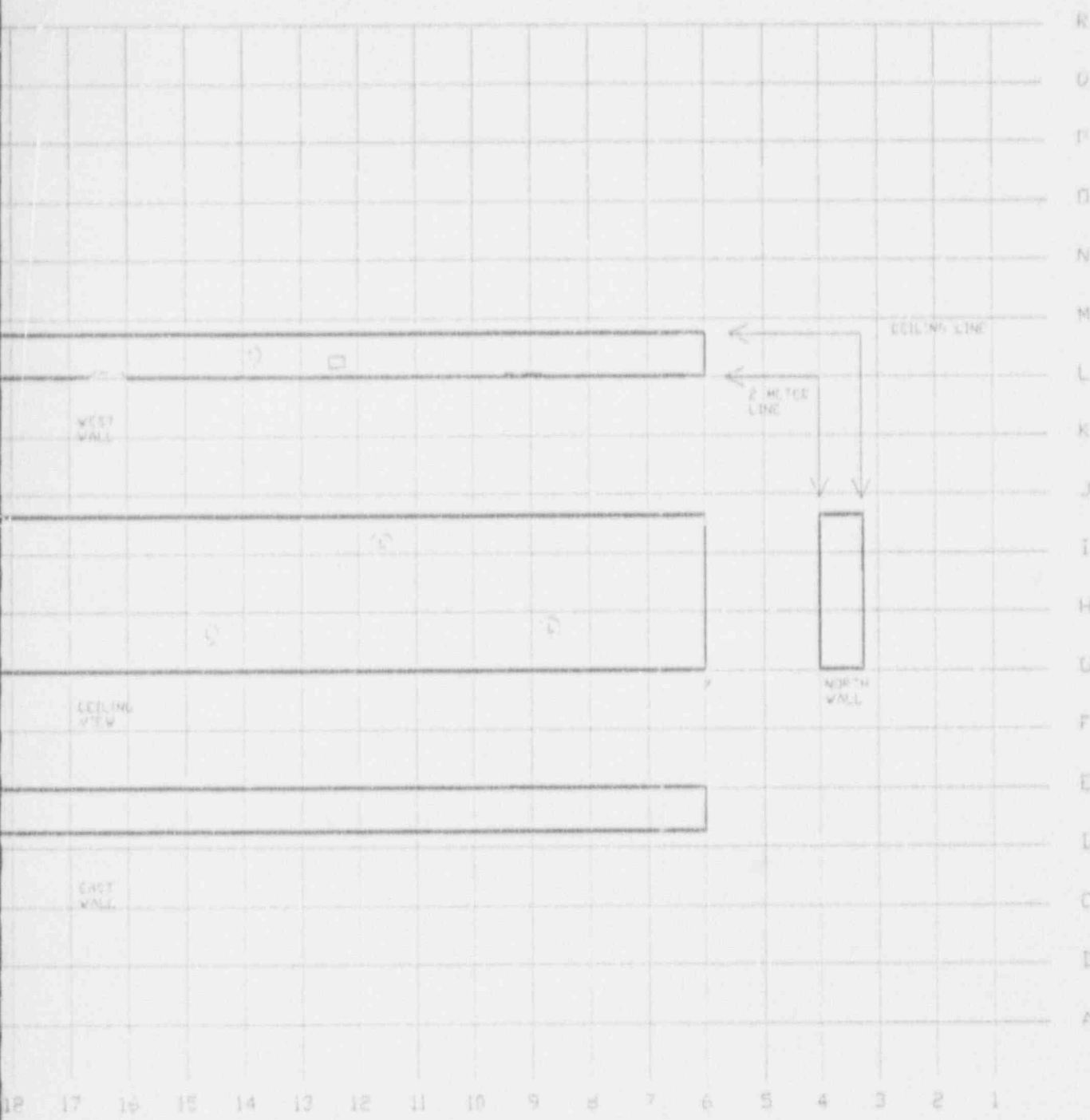


KEYS	RADIOLOGICAL SURVEY---FINAL
	LOCATION 4-B SPACE
	DRAWING SCALE AS SHOWN (5)
ELECTRICAL PANEL	GRID 1 METER
	ACAD FILE BETONNA-B

9212140147-04

SGM3


SOUTH WALL
DOOR AREA
PULL UP DOOR AREA
X METER LINE
CEILING LINE
17
16
15
14
13
32
31
30
29
28
27
26
25
24
23
22
21
20
19
scale in meters
0 2 4 6 8 10 12 14
0 5 10 15 20 25 30 35 40
scale in feet



NORTH

KEYS	
T	TRANSFORMER
L	LIGHT

RADIOLOGICAL SURVEY---FINAL
LOCATION: UNIT 2
DRAWING SCALE: 1/4" = 1' (POS)
GRID: 2 METER
ACAD FILE: DECON A-DOM

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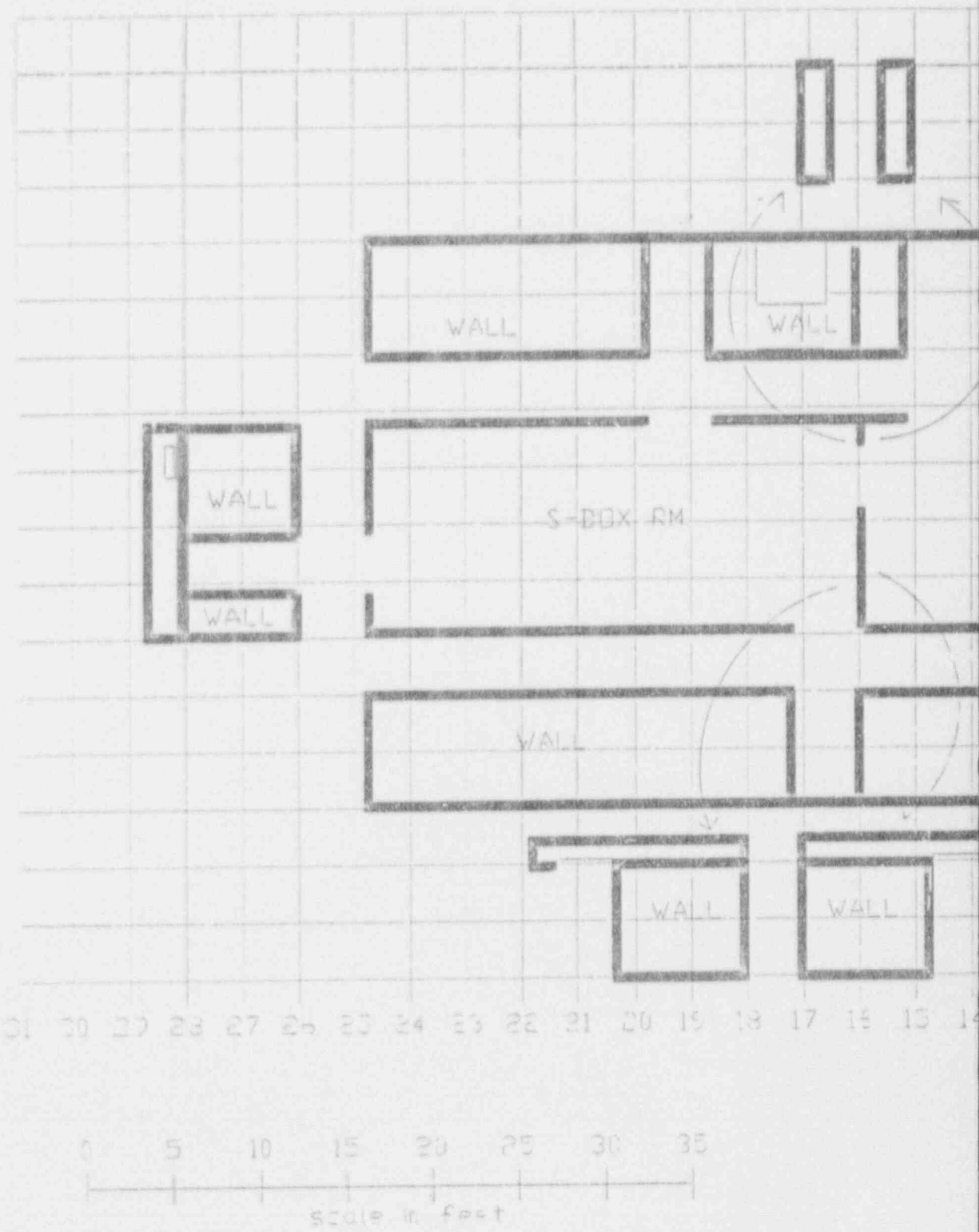
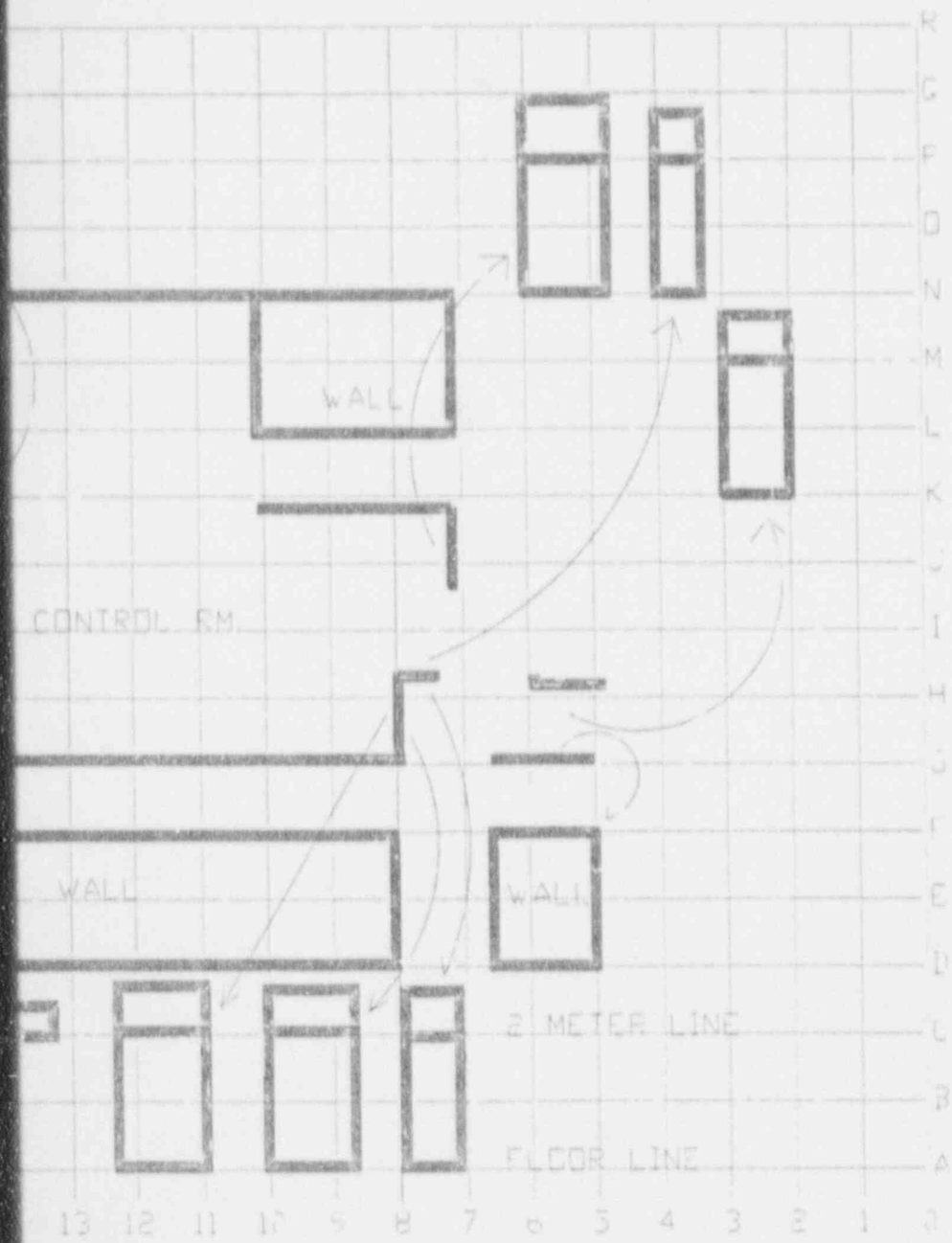
SG44


WALL
WALL
WALL
S-BOX RM
WALL
WALL
WALL
WALL
0 5 10 15 20 25 30 35
scale in feet



RADIOLOGICAL SURVEY----FINAL
LOCATION UNIT-2 RMS
DRAWING SCALE AS SHOWN (6)
GRID 1 METER
READ 1 FOR DECONTAMINATE

NORTH

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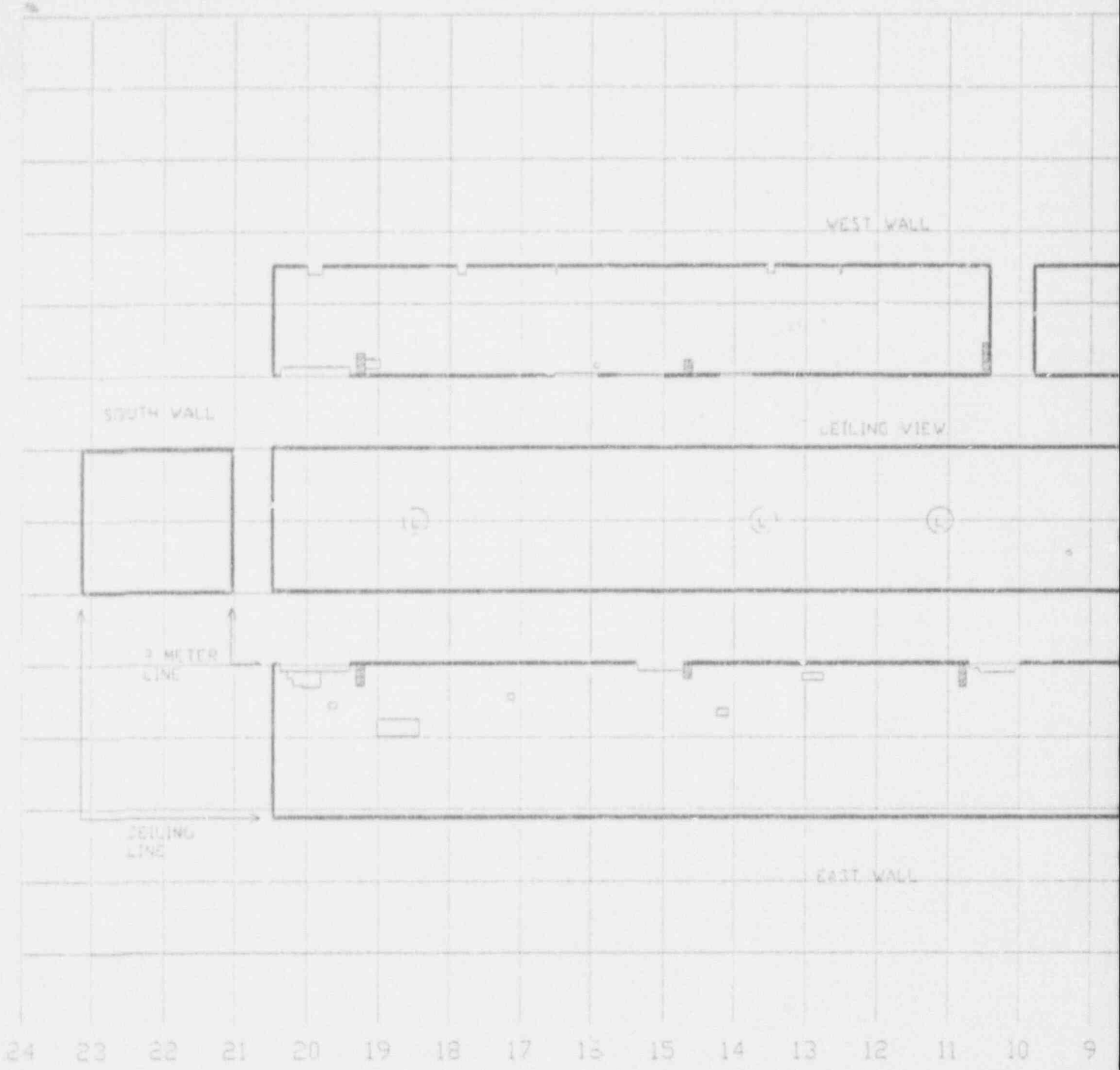
SGM5



scale in meters

0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

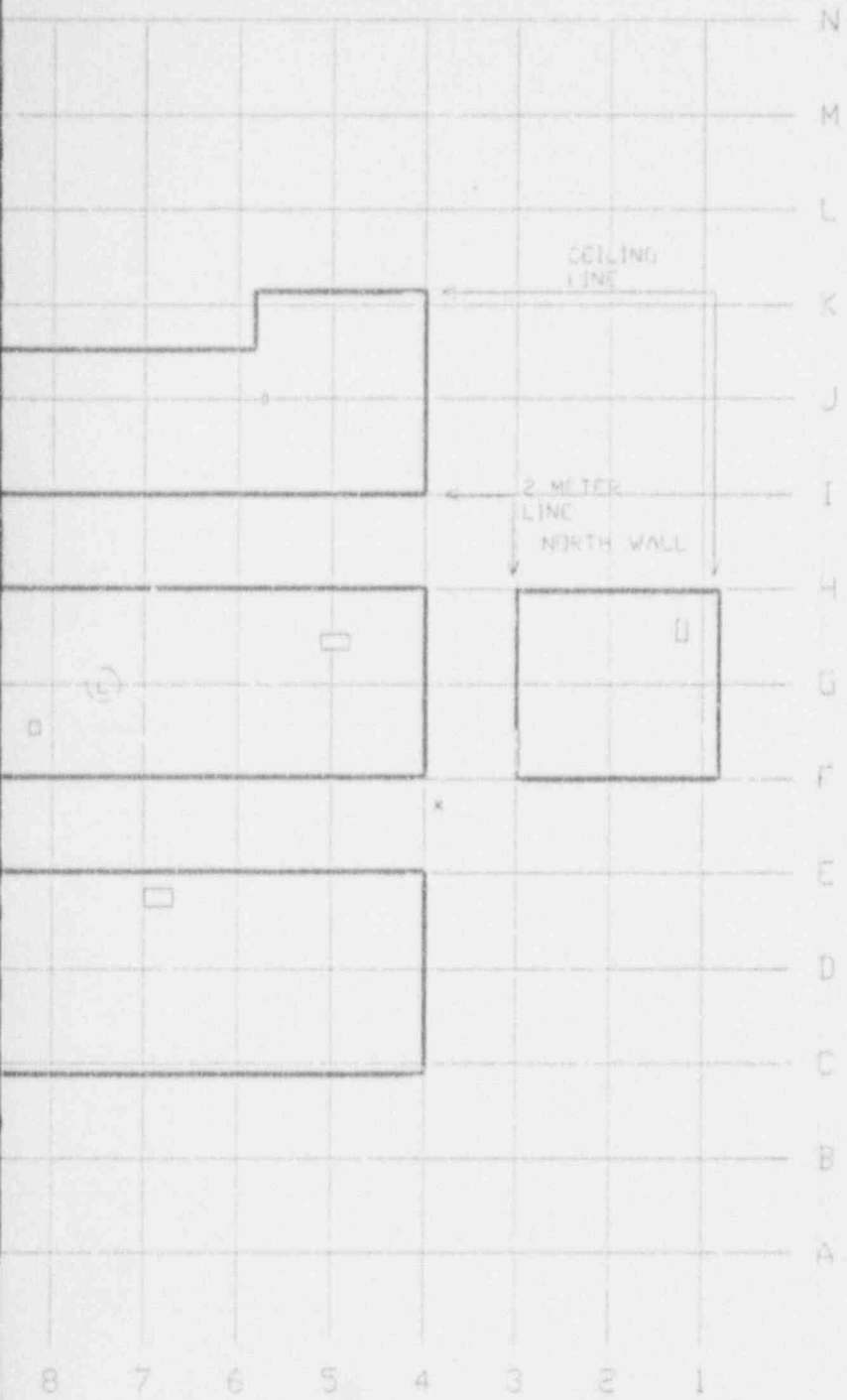
scale in feet

NORTH

NOTE:

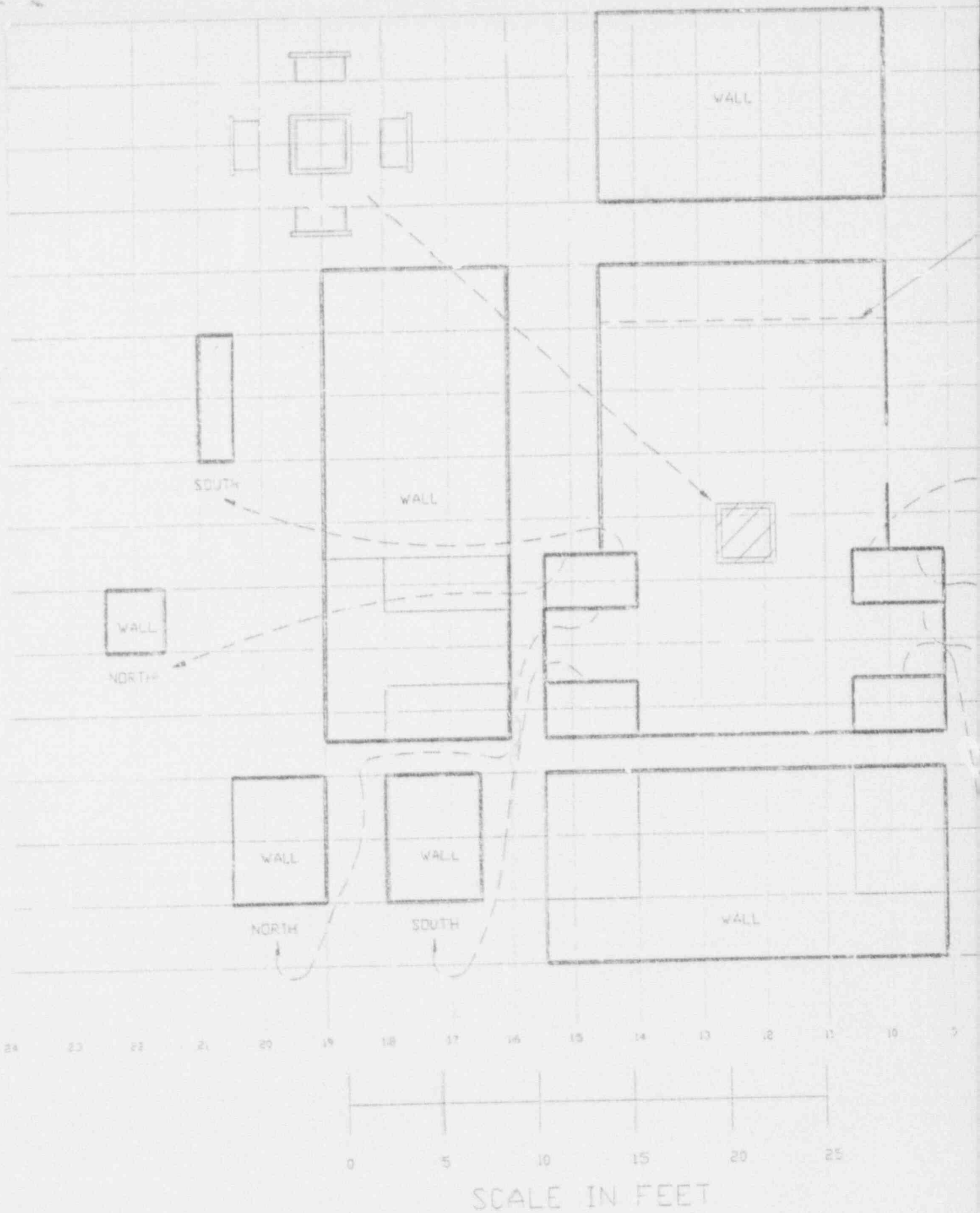
PRINT INCLUDES LOCKER CONTROL AND GAS ROOM

SGM6

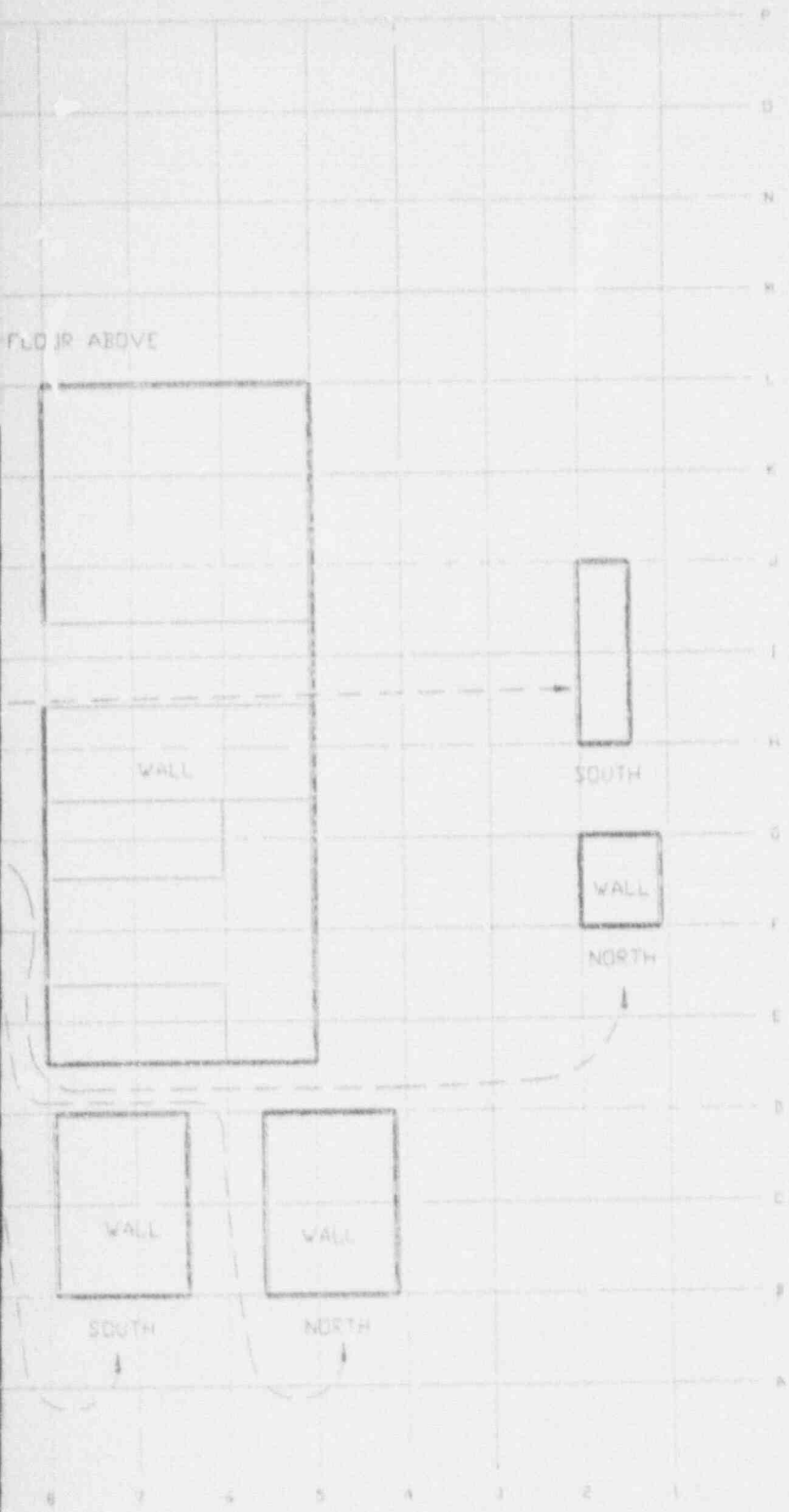


	RADIOLOGICAL SURVEY----FINAL
	LOCATION:U2 LOCKER & CONTROL
KEYS	DRAWING SCALE 1/8"= 1' (206)
L LIGHT	GRID: 2 METER
	ACAD FILE: DECONX CONTSM

9212140147-07


WALL
SOUTH
WALL
WALL
NORTH
WALL
WALL
NORTH
SOUTH
WALL
0
5
10
15
20
25
SCALE IN FEET

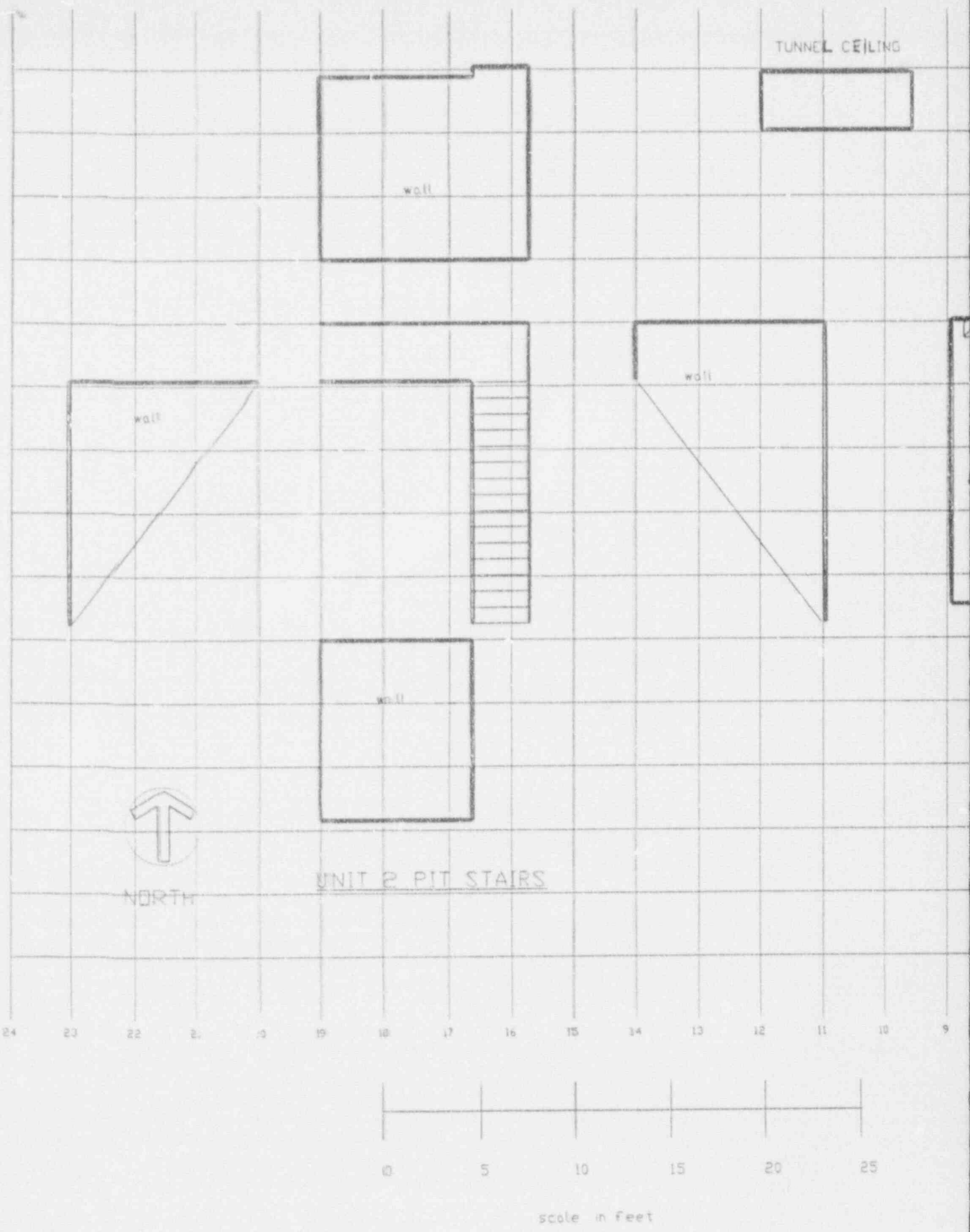
SGM7



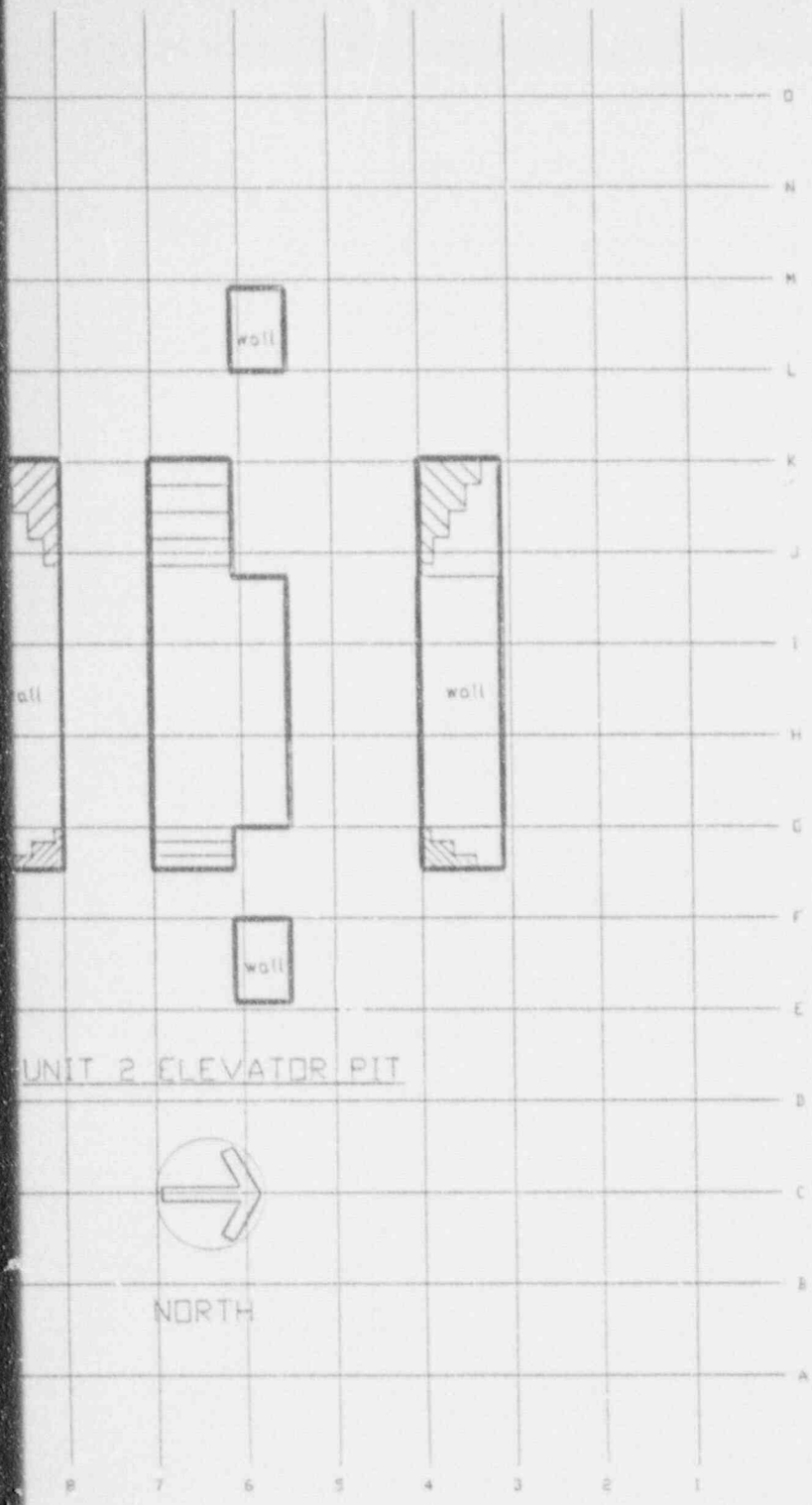
NORTH

RADIOLOGICAL SURVEY----FINAL
LOCATION: UNIT 2 - PRESS PIT
DRAWING SCALE: 1/4" = FT (13)
GRID: 1 METER
ACAD FILE: \DECON\U2-PIT

9212140147-08

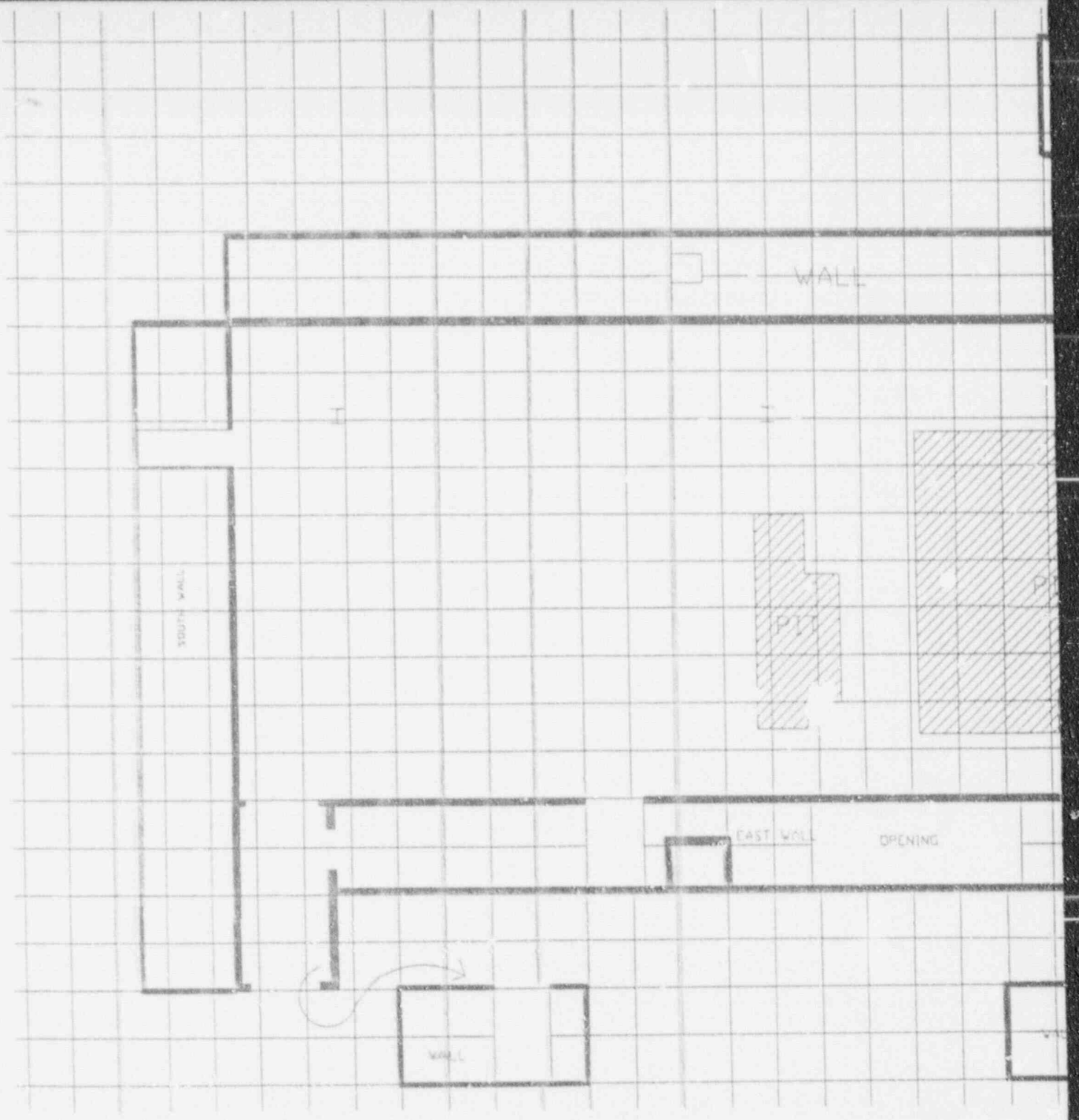

TUNNEL CEILING
wall
wall
wall
wall
NORTH
UNIT 2 PIT STAIRS
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
0
5
10
15
20
25
scale in feet

SGM8



RADIOLOGICAL SURVEY----FINAL
LOCATION: UNIT 2-PIT STAIRS
DRAWING SCALE: 1/4" = FT (14)
GRID: 1 METER
ACAD FILE: \DECON\U2PITSTR

9212140147-09



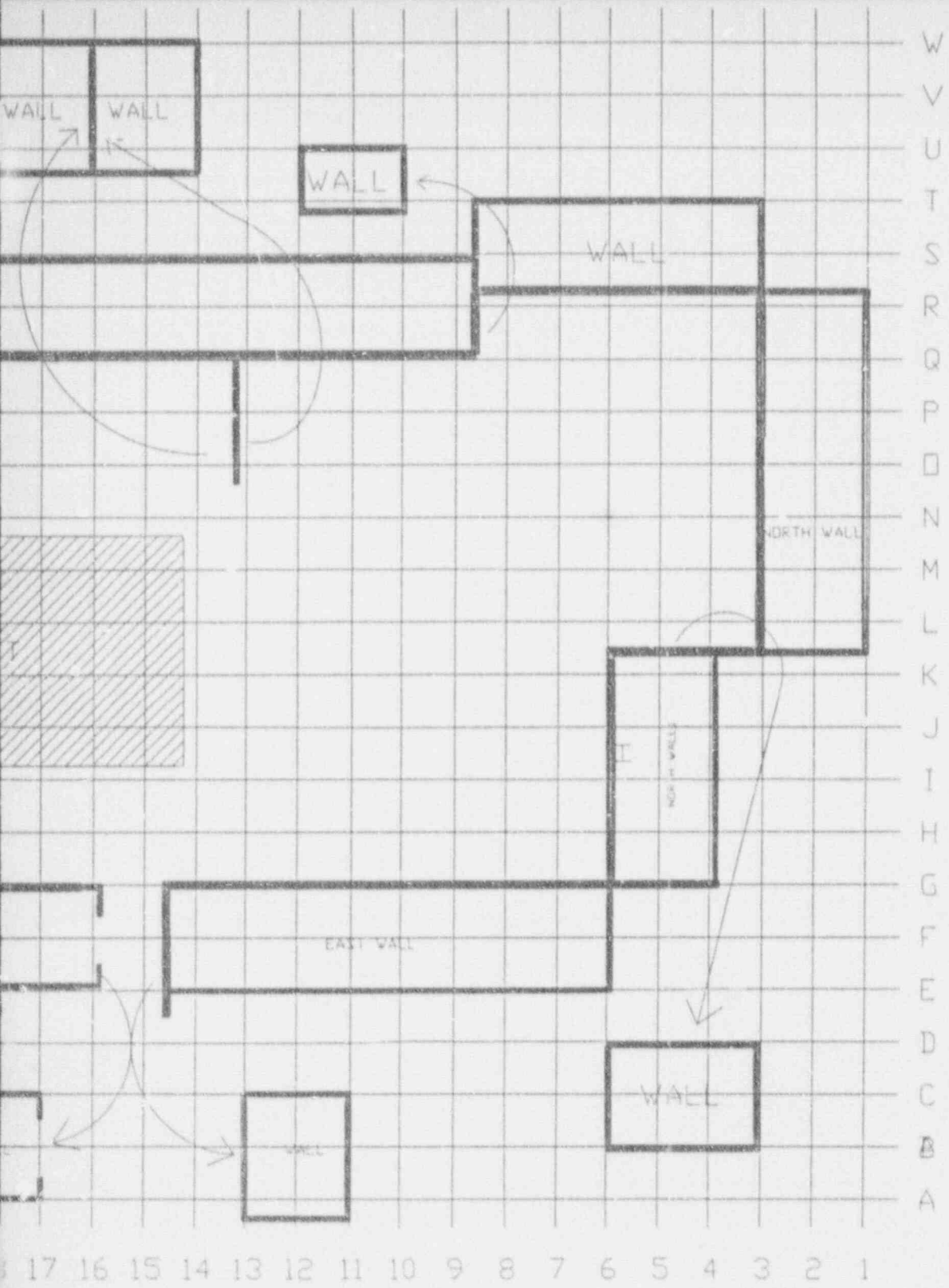
NOTE: PIT DETAILS SHOWN
ON OTHER DRAWINGS

0 5 10 15 20 25

scale in feet

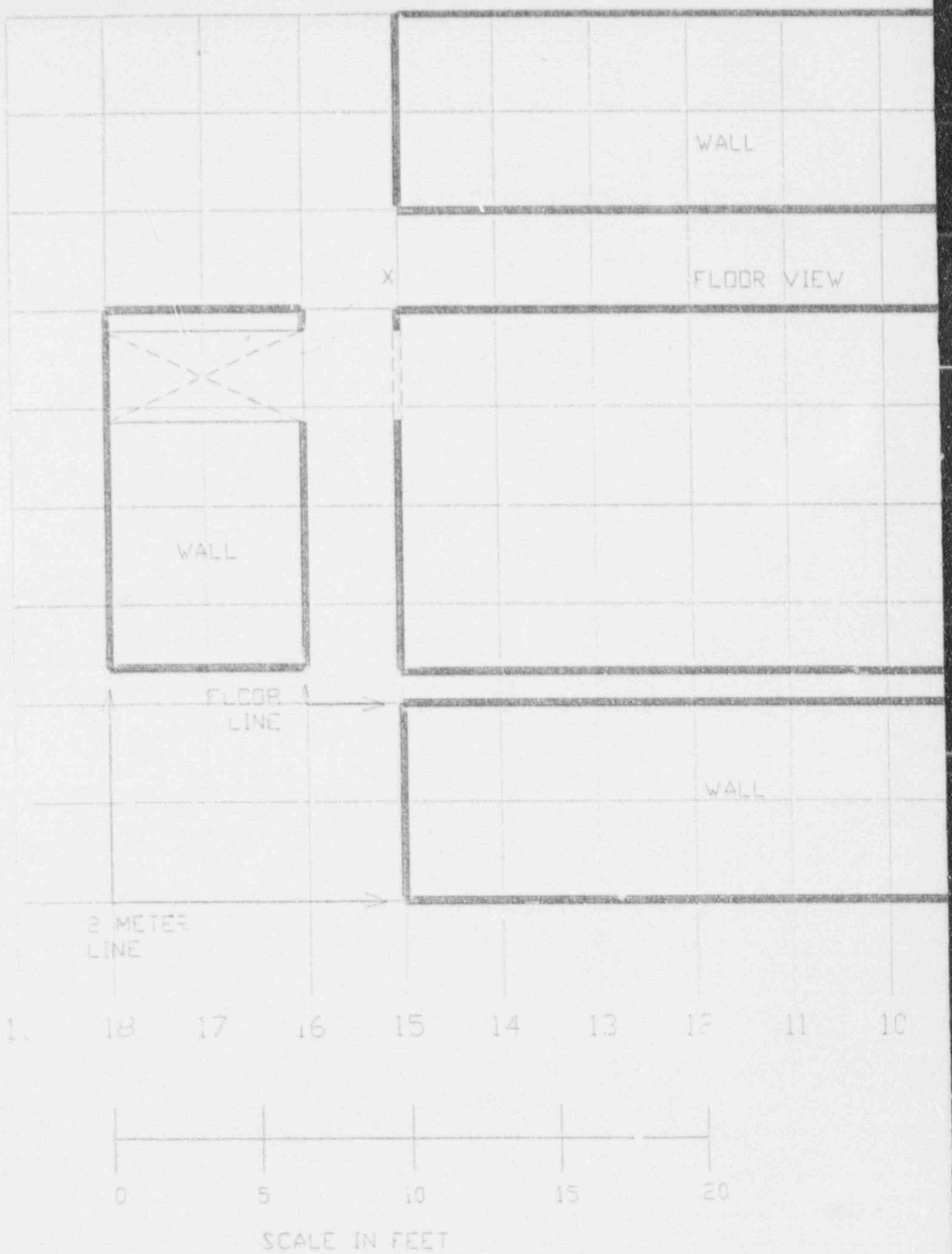
NORTH

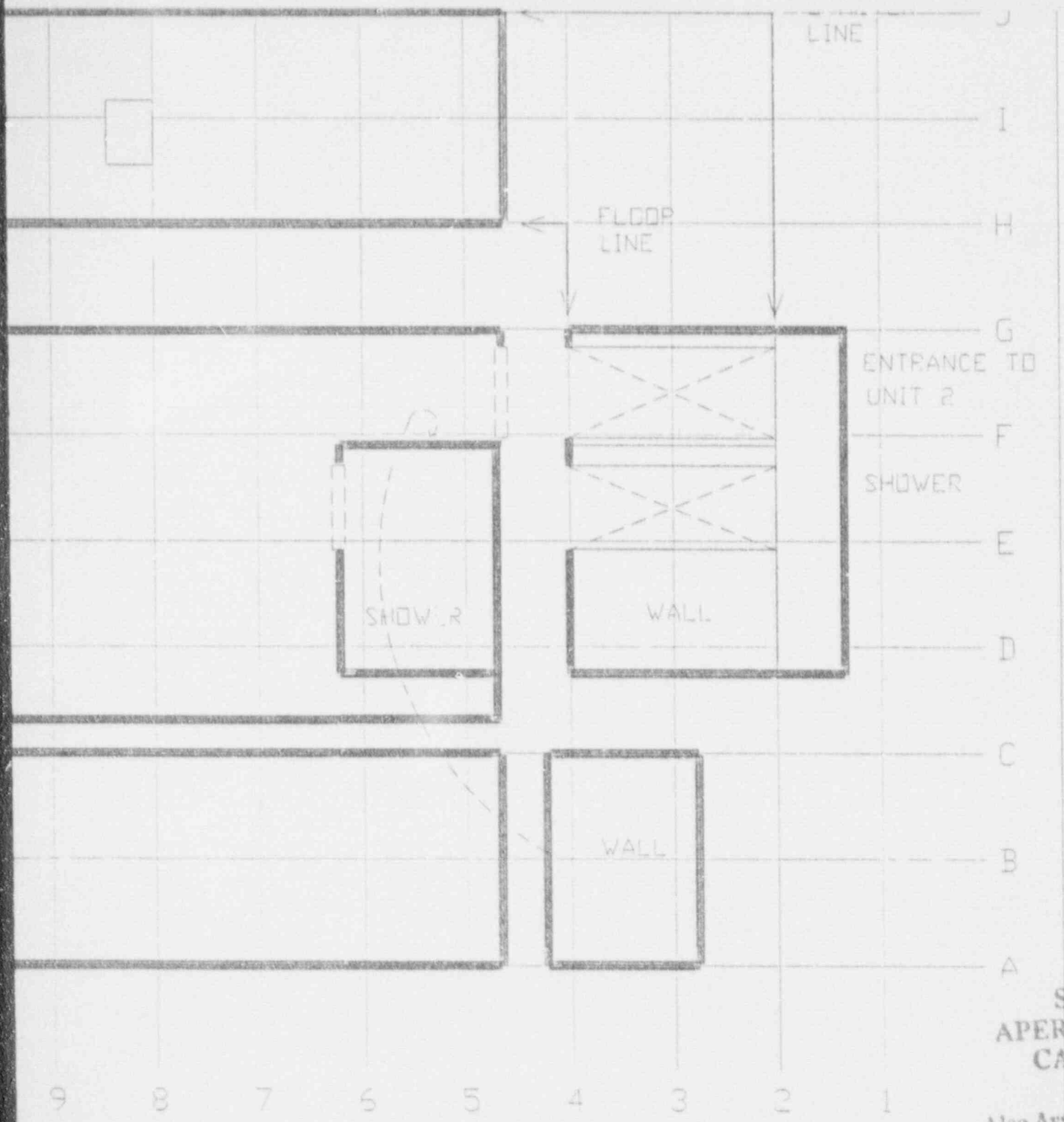
SGM



RADIOLOGICAL SURVEY----FINAL
LOCATION PRESS -2
DRAWING SCALE AS SHOWN (24)
GRID 1 METER
ACAD FILE: DECON\PR2-FLR

9212140147-10


WALL
X
FLOOR VIEW
WALL
FLOOR
LINE
WALL
2 METER
LINE
18
17
16
15
14
13
11
10
0
5
10
15
20
SCALE IN FEET



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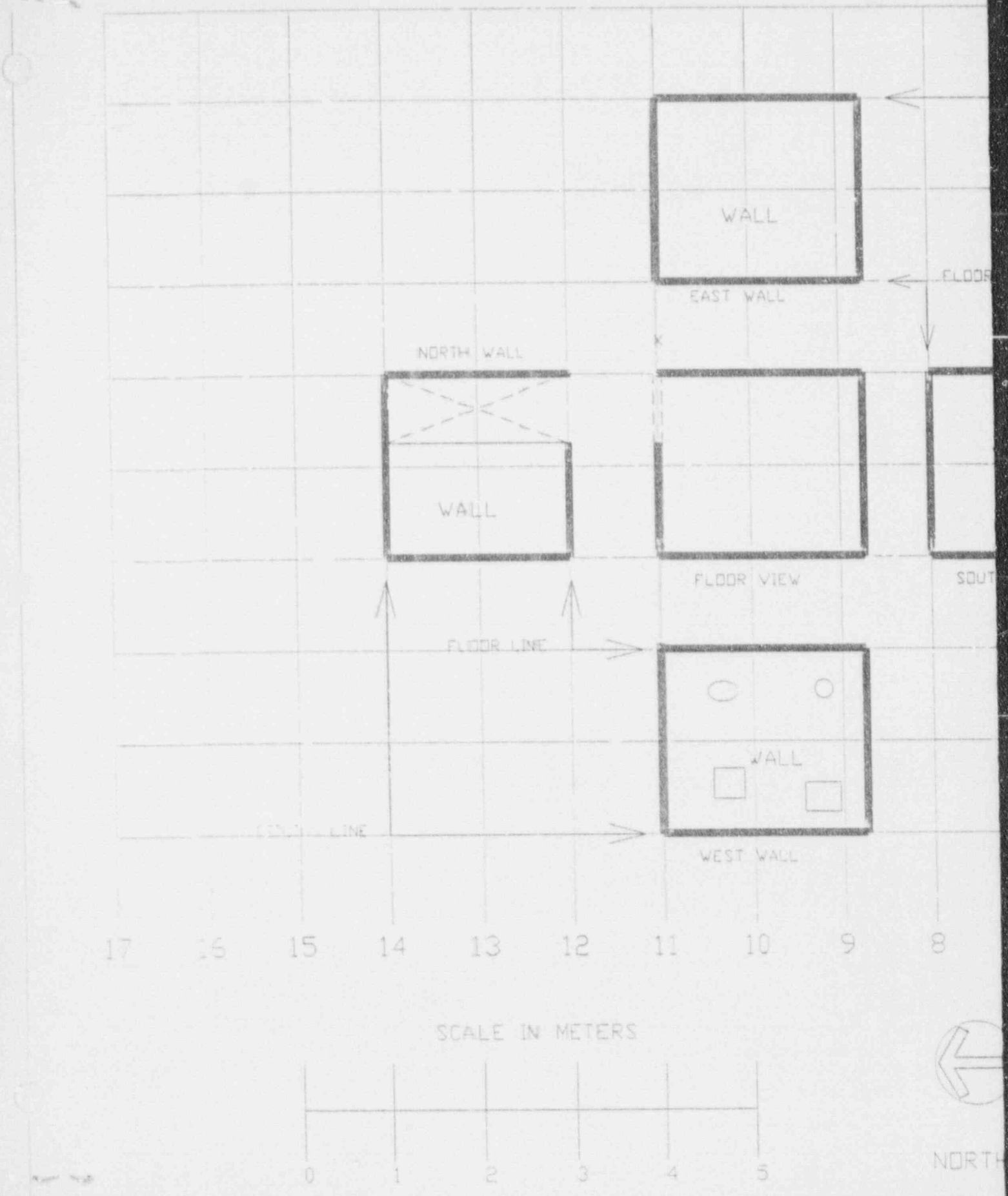
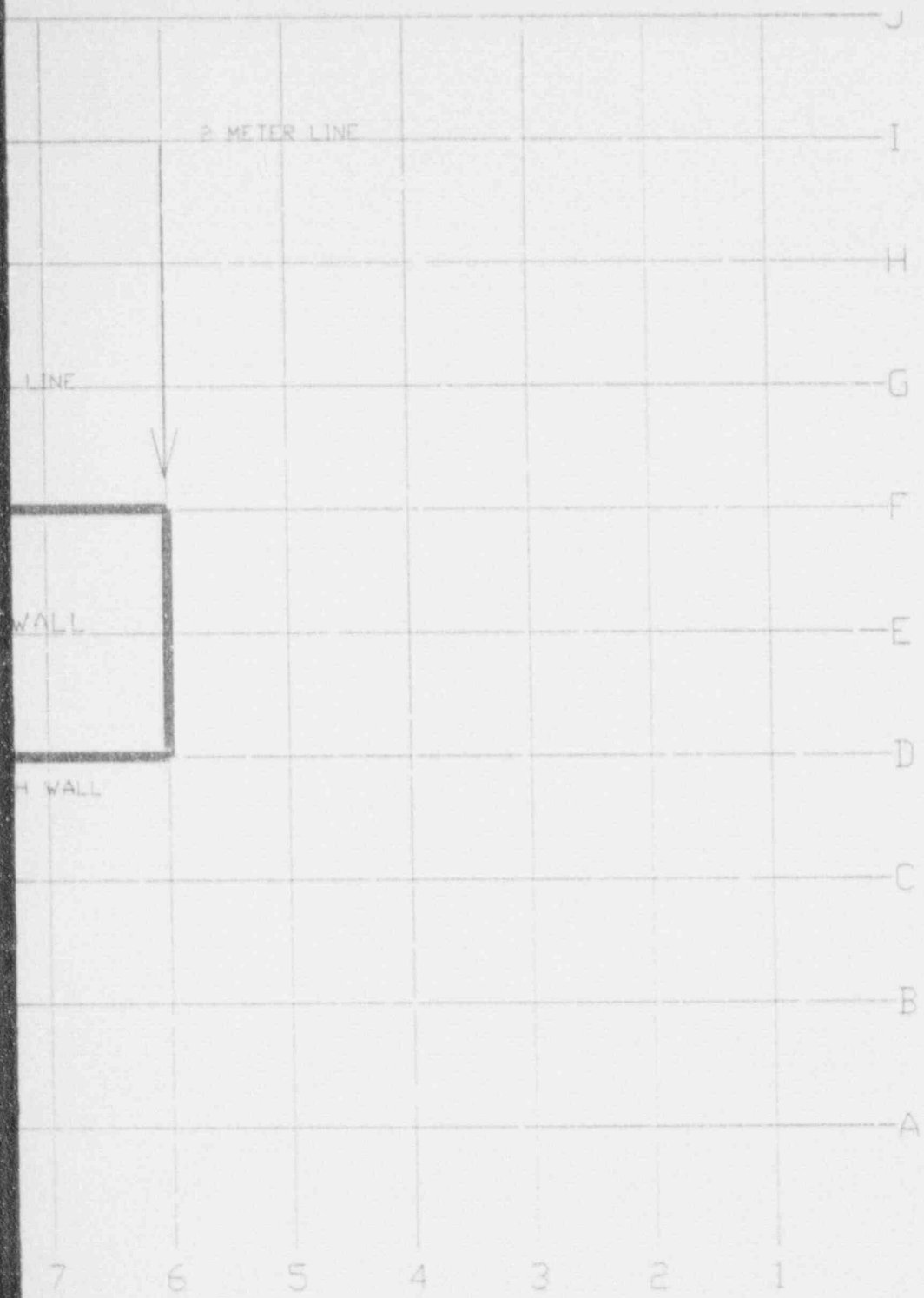
NORTH

RADIOLOGICAL SURVEY----FINAL
LOCATION UNIT 2 LOCKER RM
DRAWING SCALE 1/4"=1' (25)
GRID 1 METER
ACAD FILE DECONNU2-LCK

9212140147-11

SQM10


WALL
EAST WALL
NORTH WALL
WALL
FLOOR VIEW
FLOOR LINE
WALL
WEST WALL
17
16
15
14
13
12
11
10
9
8
SCALE IN METERS
0
1
2
3
4
5
NORTH



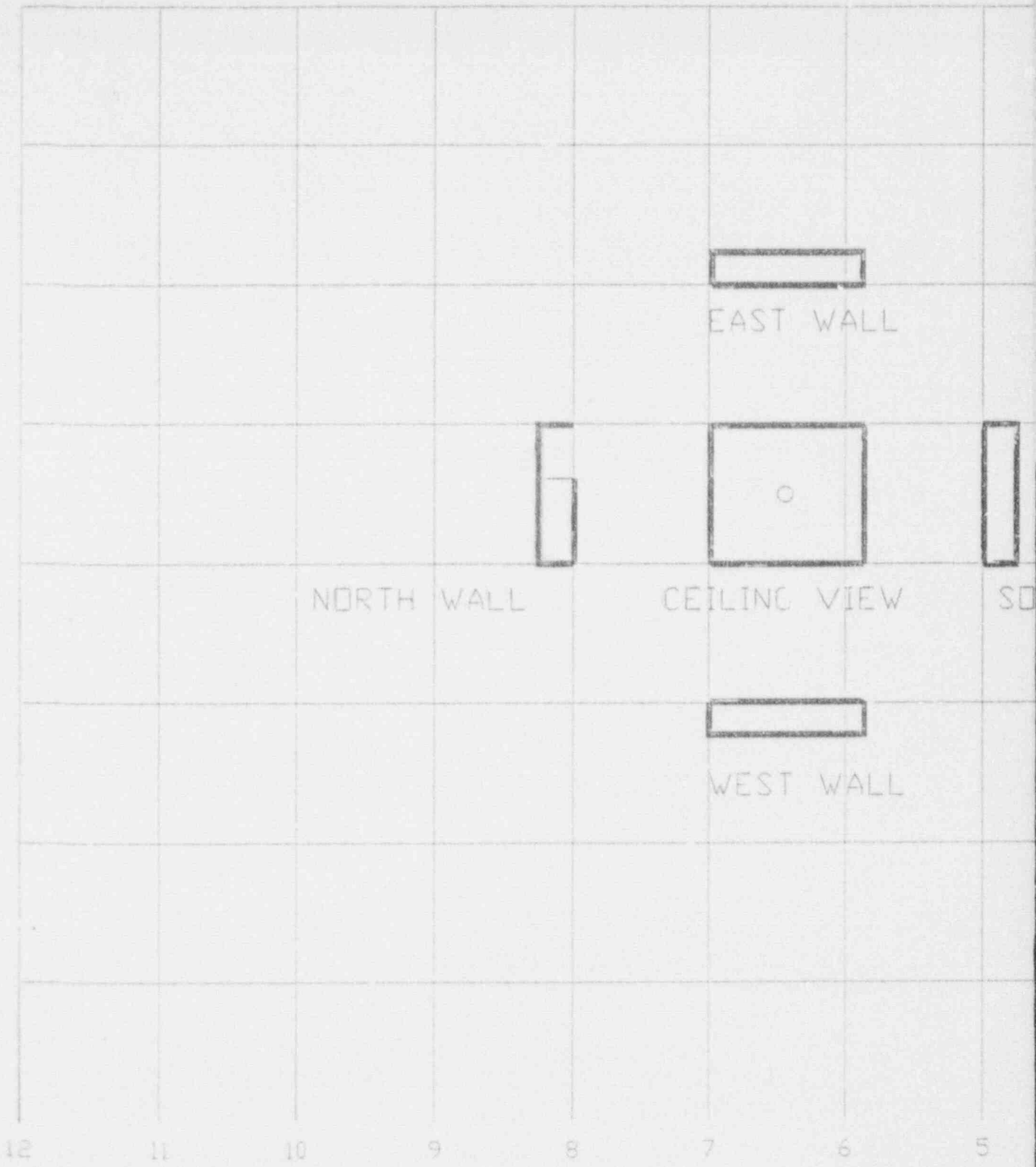
SI
APERTURE
CARD

Also Available On
Aperture Card

	RADIOLOGICAL SURVEY----FINAL
	LOCATION: UNIT 2 SHOWER
KEYS	DRAWING SCALE 1/8"= 1' (26)
	GRID: 1 METER REV 1
	ACAD FILE: DECON\U2SHWR

9212140147-12

11



scale in meters

NORTH

NOTE:
ALL VIEWS DI
ARE SHOWN AB
TWO METER LI

	RADIOLOGICAL SURVEY----FINAL
	LOCATION UNIT 2 SHOWER
KEYS	DRAWING SCALE 1/8"= 1' (226)
	GRID 2 METER
	ACAD FILE DECONV\U2SHWREM

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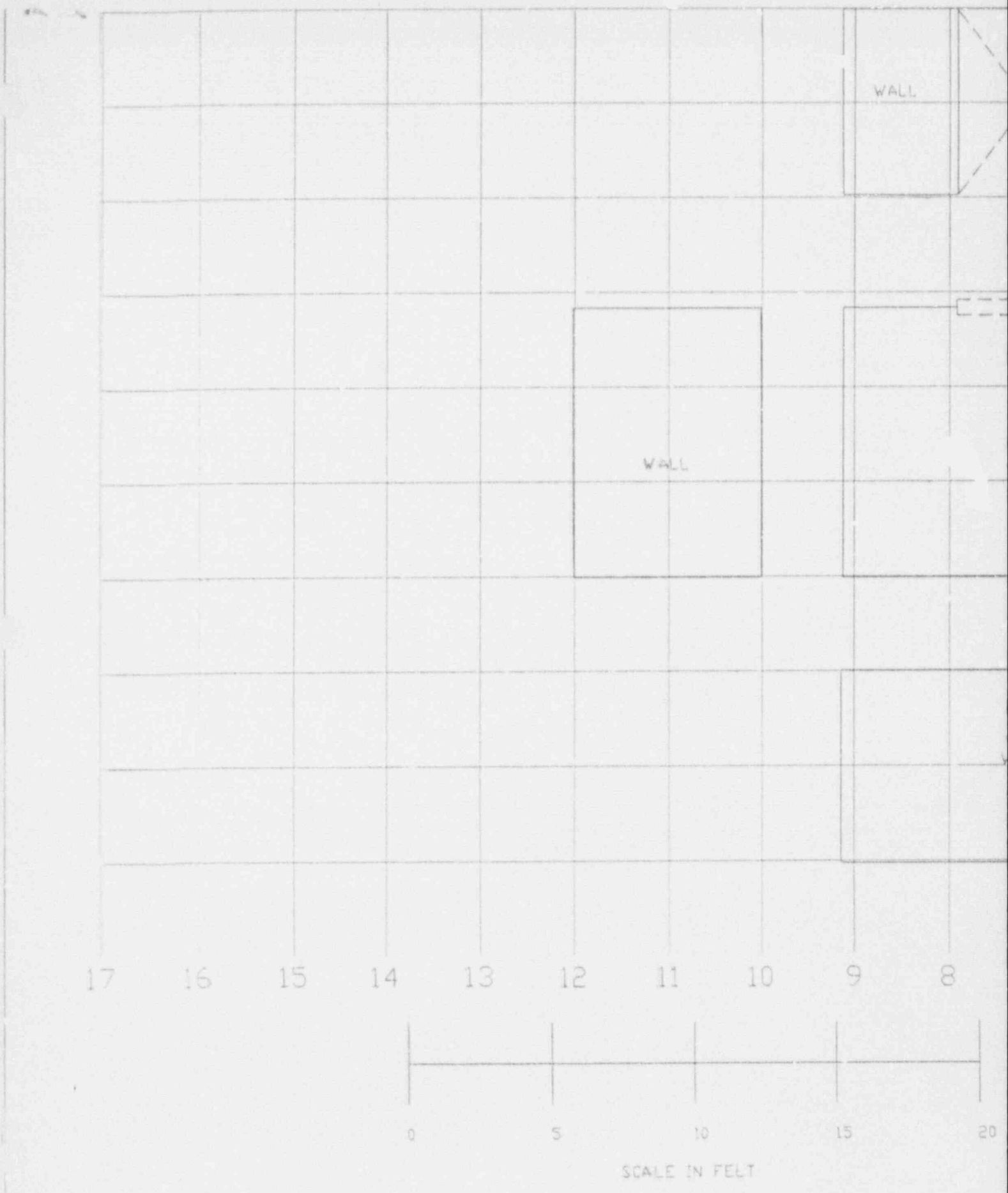
SI
APERTURE
CARD

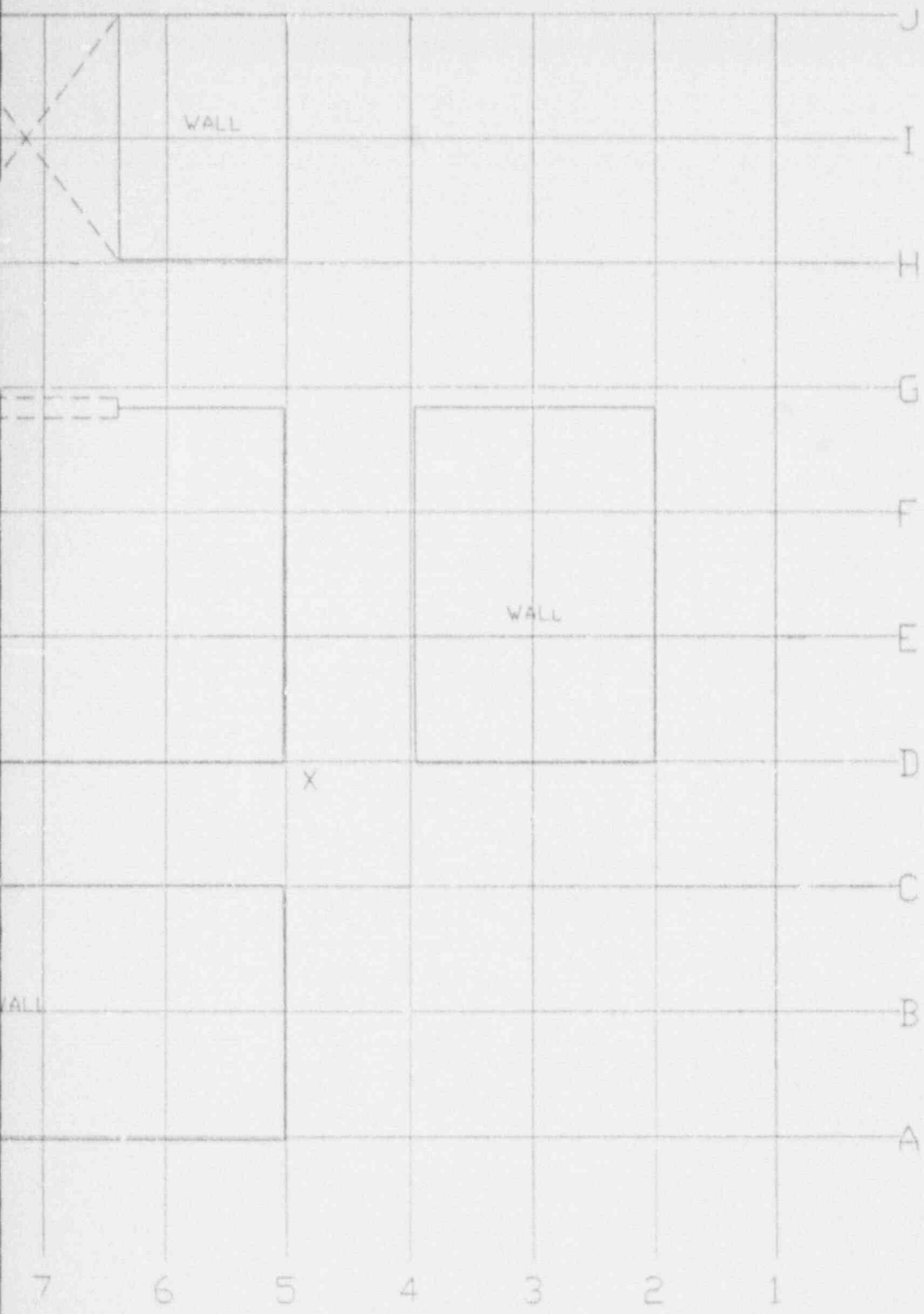
Also Available On
Aperture Card

9212140147-13

SGM12



SGM 13



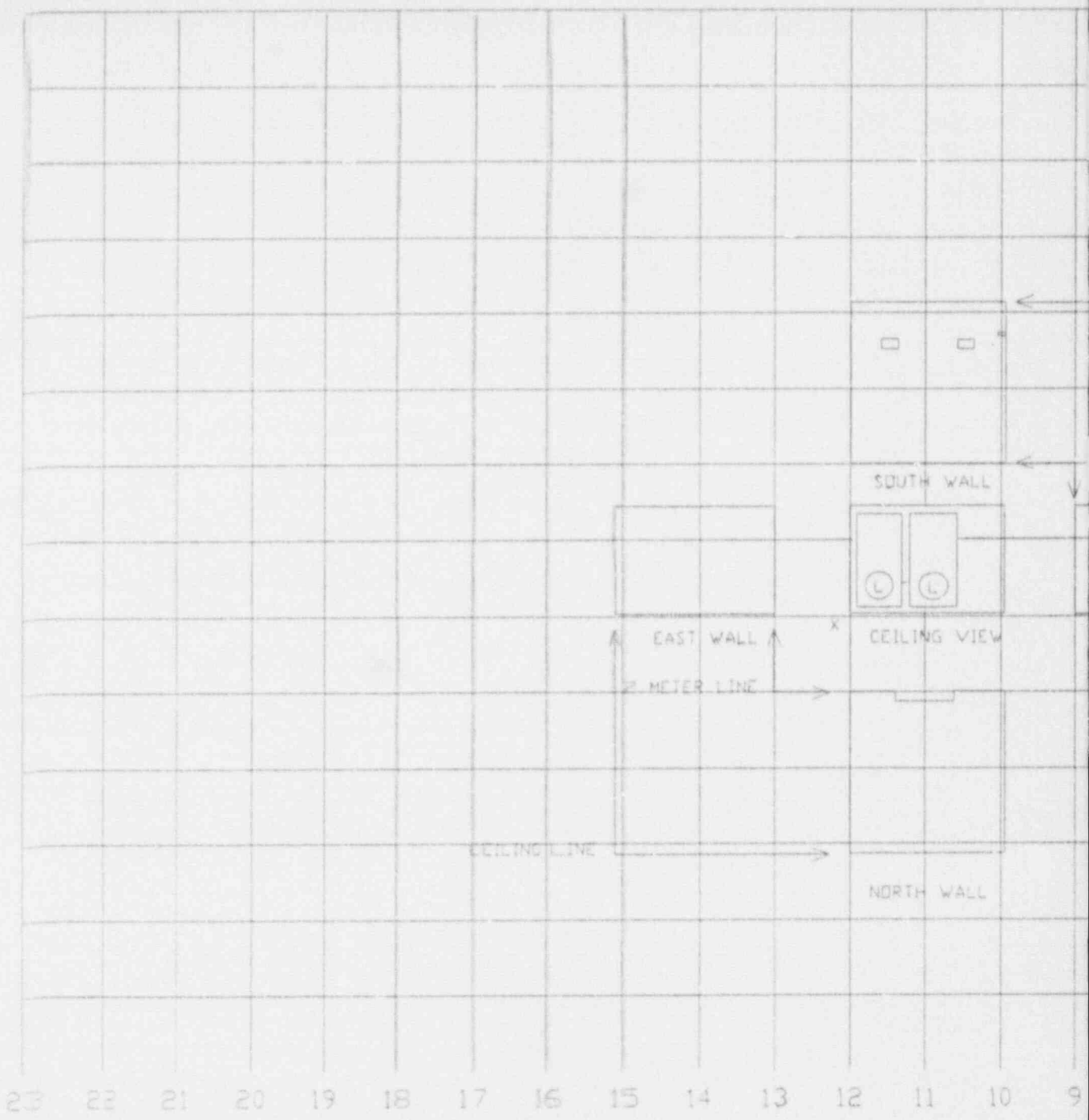
SI
APERTURE
CARD

Also Available On
Aperture Card

NORTH

RADIOLOGICAL SURVEY----FINAL
LOCATION UNIT 2 ARGON RM
DRAWING SCALE 1/4"=1' (27)
GRID 1 METER
ACAD FILE DECON\ARGON-2

9212140147-14



scale in meters

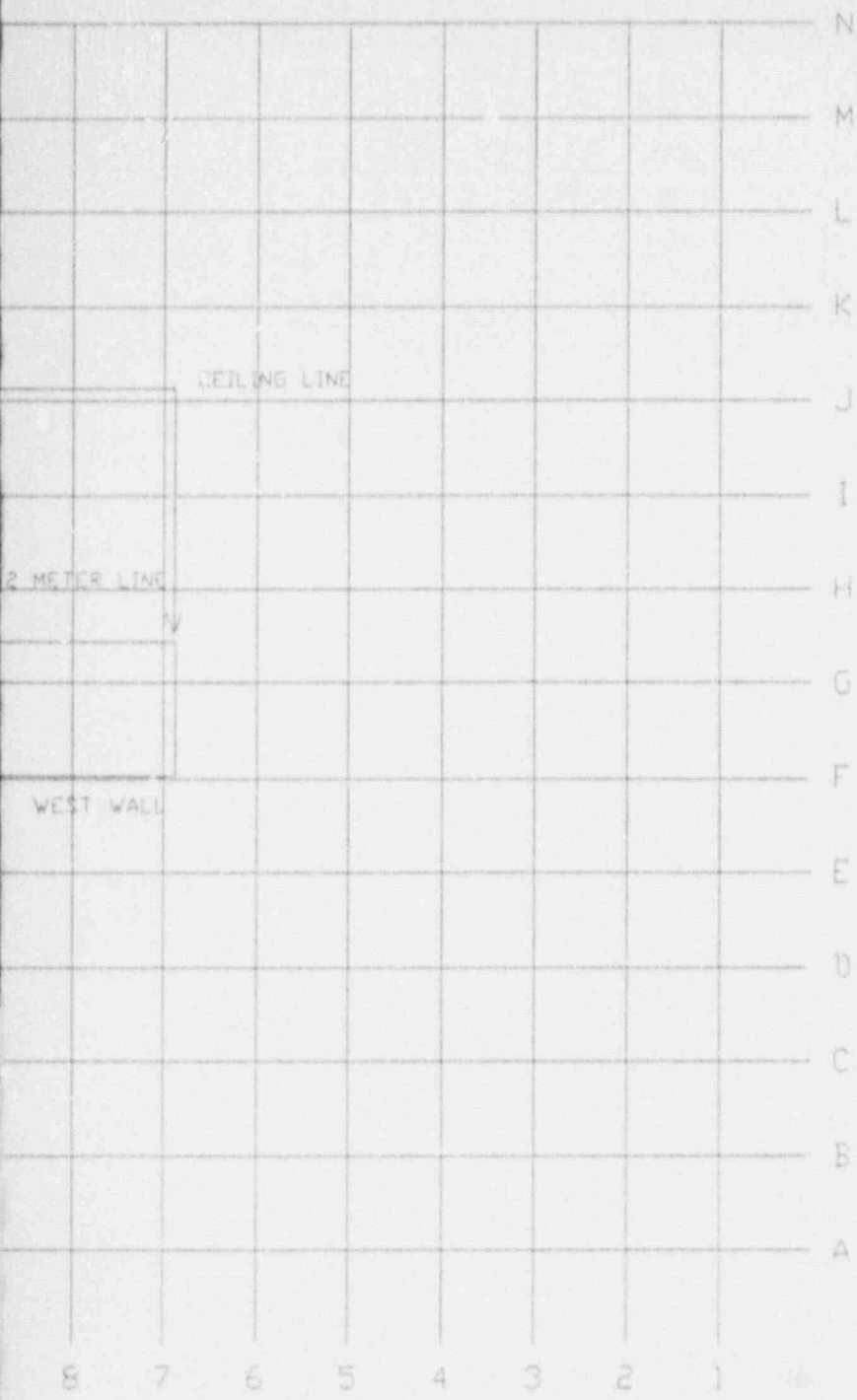
0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

NORTH

SGM 14



	RADIOLOGICAL SURVEY----FINAL
	LOCATION UNIT 2 ARGON RM
KEYS	DRAWING SCALE 1/8"= 1' (227)
(L) LIGHT	GRID 2 METER
	ACAD FILE: DECON\ARGON-RM

9212140147-15

LOWER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 C33	<200	0	<200	0	0	0
24 C34	<200	0	<200	0	0	0
24 C35	<200	0	<200	0	0	0
24 D33	<200	0	<200	0	2	2
24 D34	<200	0	<200	0	0	2
24 D35	<200	0	<200	0	0	0
24 E33	<200	0	<200	0	5	0
24 E34	<200	0	<200	0	5	0
24 E35	<200	0	<200	0	0	2
24 F33	<200	0	<200	0	0	0
24 F34	<200	0	<200	0	0	2
24 F35	<200	0	<200	0	0	8
24 G6	<200	0	<200	0	2	3
24 G7	<200	0	<200	0	0	3
24 G8	<200	0	<200	0	0	8
24 G9	<200	0	<200	0	0	3
24 G10	<200	0	<200	0	0	0
24 G11	<200	0	<200	0	2	0
24 G12	<200	0	<200	0	8	3
24 G13	<200	0	<200	0	2	0
24 G14	<200	0	<200	0	5	0
24 G15	<200	0	<200	0	8	3
24 G16	<200	0	<200	0	0	0
24 G17	<200	0	<200	0	0	0
24 G18	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 G19	<200	0	<200	0	5	8
24 G20	<200	0	<200	0	0	0
24 G21	<200	0	<200	0	12	6
24 G22	<200	0	<200	0	0	0
24 G23	<200	0	<200	0	0	0
24 G24	<200	0	<200	0	0	0
24 G25	<200	0	<200	0	2	6
24 G26	<200	0	<200	0	0	0
24 G27	<200	0	<200	0	0	0
24 G28	<200	0	<200	0	2	0
24 G29	<200	0	<200	0	0	0
24 G30	<200	0	<200	0	8	3
24 G31	<200	0	<200	0	0	0
24 G32	<200	0	<200	0	0	0
24 G33	<200	0	<200	0	2	0
24 G34	<200	0	<200	0	0	0
24 G35	<200	0	<200	0	5	0
24 H6	<200	0	384	0	0	0
24 H7	<200	0	<200	0	0	0
24 H8	<200	0	<200	0	2	6
24 H9	<200	0	<200	0	0	0
24 H10	<200	0	<200	0	5	0
24 H11	<200	0	<200	0	0	1
24 H12	<200	0	<200	0	0	0
24 H13	<200	0	<200	0	0	6

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 H14	<200	0	<200	0	5	0
24 H15	<200	0	<200	0	2	0
24 H16	<200	0	<200	0	2	0
24 H17	<200	0	<200	0	0	8
24 H18	<200	0	<200	0	5	3
24 H19	<200	0	<200	0	5	0
24 H20	<200	0	<200	0	0	0
24 H21	<200	0	<200	0	0	0
24 H22	<200	0	<200	0	0	3
24 H23	<200	0	<200	0	0	3
24 H24	<200	0	<200	0	0	0
24 H25	<200	0	<200	0	0	3
24 H26	<200	0	<200	0	2	3
24 H27	<200	0	<200	0	0	14
24 H28	<200	0	<200	0	0	0
24 H29	<200	0	<200	0	0	0
24 H30	<200	0	<200	0	0	3
24 H31	<200	0	<200	0	2	3
24 H32	<200	0	800	0	3	0
24 H33	<200	0	<200	0	2	0
24 H34	<200	0	<200	0	2	6
24 H35	<200	0	<200	0	2	0
24 I6	<200	0	<200	0	5	0
24 I7	<200	0	<200	0	0	0
24 I8	<200	0	<200	0	2	3

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 I9	<200	0	<200	0	2	3
24 I10	<200	0	<200	0	0	3
24 I11	<200	0	<200	0	2	0
24 I12	<200	0	<200	0	5	0
24 I13	<200	0	<200	0	2	6
24 I14	<200	0	<200	0	0	0
24 I15	<200	0	<200	0	2	3
24 I16	<200	0	<200	0	0	6
24 I17	<200	0	<200	0	2	3
24 I20	<200	0	<200	0	2	3
24 I21	<200	0	<200	0	15	3
24 I22	<200	0	<200	0	0	0
24 I24	<200	0	<200	0	0	3
24 I25	<200	0	<200	0	0	0
24 I26	<200	0	<200	0	2	0
24 I27	<200	0	<200	0	0	0
24 I28	<200	0	<200	0	0	3
24 I29	<200	0	<200	0	2	3
24 I30	<200	0	<200	0	2	0
24 I31	<200	0	<200	0	0	0
24 I32	<200	0	900	0	21	8
24 I33	<200	0	<200	0	2	0
24 I34	<200	0	<200	0	0	0
24 I35	<200	0	<200	0	2	0
24 J6	<200	0	<200	0	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 J7	<200	0	<200	0	0	3
24 J8	<200	0	<200	0	8	0
24 J9	<200	0	<200	0	0	0
24 J10	<200	0	<200	0	0	0
24 J11	<200	0	<200	0	0	0
24 J12	<200	0	<200	0	0	6
24 J13	<200	0	<200	0	0	6
24 J14	<200	0	612	0	15	3
24 J20	<200	0	<200	0	5	8
24 J21	<200	0	<200	0	0	0
24 J22	<200	0	<200	0	2	0
24 J24	<200	0	<200	0	2	0
24 J25	<200	0	<200	0	8	6
24 J26	<200	0	<200	0	0	6
24 J27	<200	0	<200	0	0	3
24 J28	<200	0	<200	0	0	0
24 J29	<200	0	<200	0	0	3
24 J30	<200	0	<200	0	0	0
24 J31	<200	0	<200	0	0	3
24 J32	<200	0	300	0	5	8
24 J33	<200	0	<200	0	0	0
24 J34	<200	0	<200	0	2	0
24 J35	<200	0	<200	0	2	0
24 K3	<200	0	<200	0	0	0
24 K4	<200	0	<200	0	0	3

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 K5	<200	0	<200	0	0	0
24 K6	<200	0	<200	0	0	3
24 K7	<200	0	<200	0	21	6
24 K8	<200	0	<200	0	0	3
24 K9	<200	0	<200	0	5	0
24 K10	<200	0	<200	0	5	0
24 K11	<200	0	<200	0	0	6
24 K12	<200	0	<200	0	5	3
24 K13	<200	0	<200	0	0	0
24 K14	<200	0	<200	0	2	6
24 K20	<200	0	<200	0	0	0
24 K21	<200	0	<200	0	2	0
24 K22	<200	0	<200	0	0	3
24 K23	<200	0	<200	0	0	3
24 K24	<200	0	<200	0	0	6
24 K25	<200	0	<200	0	5	8
24 K26	<200	0	<200	0	0	3
24 K27	<200	0	<200	0	5	8
24 K28	<200	0	<200	0	0	0
24 K29	<200	0	<200	0	0	0
24 K30	<200	0	<200	0	5	6
24 K31	<200	0	<200	0	5	3
24 K32	<200	0	<200	0	2	0
24 K33	<200	0	<200	0	0	3
24 K34	<200	0	<200	0	8	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 K35	<200	0	<200	0	0	0
24 L3	<200	0	<200	0	0	6
24 L4	<200	0	<200	0	0	3
24 L5	<200	0	<200	0	0	0
24 L6	<200	0	<200	0	0	0
24 L7	<200	0	<200	0	0	0
24 L8	<200	0	<200	0	0	0
24 L9	<200	0	<200	0	2	6
24 L10	<200	0	<200	0	5	0
24 L11	<200	0	<200	0	0	0
24 L12	<200	0	<200	0	8	0
24 L13	<200	0	<200	0	2	0
24 L14	<200	0	<200	0	5	3
24 L20	<200	0	<200	0	2	6
24 L21	<200	0	<200	0	2	0
24 L22	<200	0	<200	0	0	0
24 L23	<200	0	<200	0	0	0
24 L24	<200	0	600	0	0	0
24 L25	<200	0	<200	0	0	0
24 L26	<200	0	<200	0	0	0
24 L27	<200	0	<200	0	0	0
24 L28	<200	0	<200	0	0	3
24 L29	<200	0	<200	0	0	0
24 L30	<200	0	<200	0	0	0
24 L31	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 L32	<200	0	<200	0	5	0
24 L33	<200	0	<200	0	0	3
24 L34	<200	0	<200	0	0	0
24 L35	<200	0	<200	0	0	6
24 M3	<200	0	<200	0	2	3
24 M4	<200	0	<200	0	2	3
24 M5	<200	0	<200	0	0	0
24 M6	<200	0	<200	0	0	0
24 M7	<200	0	<200	0	0	3
24 M8	<200	0	<200	0	12	6
24 M9	<200	0	<200	0	0	3
24 M10	<200	0	720	0	3	0
24 M11	<200	0	720	0	6	3
24 M12	<200	0	<200	0	0	0
24 M13	<200	0	<200	0	2	0
24 M14	<200	0	<200	0	5	0
24 M15	<200	0	<200	0	2	0
24 M16	<200	0	<200	0	0	6
24 M17	<200	0	<200	0	0	3
24 M20	<200	0	<200	0	0	0
24 M21	<200	0	<200	0	0	0
24 M22	<200	0	<200	0	5	0
24 M23	<200	0	<200	0	0	8
24 M24	<200	0	880	0	3	0
24 M25	<200	0	<200	0	0	5

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 M26	<200	0	<200	0	0	0
24 M27	<200	0	<200	0	12	5
24 M28	<200	0	<200	0	5	0
24 M29	<200	0	<200	0	0	0
24 M30	<200	0	<200	0	0	0
24 M31	<200	0	<200	0	0	0
24 M32	<200	0	<200	0	0	5
24 M33	<200	0	<200	0	0	0
24 M34	<200	0	<200	0	0	0
24 M35	<200	0	<200	0	0	0
24 N3	<200	0	<200	0	15	2
24 N4	<200	0	<200	0	0	2
24 N5	<200	0	<200	0	2	0
24 N6	<200	0	<200	0	0	0
24 N7	<200	0	<200	0	0	2
24 N8	<200	0	<200	0	0	0
24 N9	<200	0	<200	0	0	0
24 N10	<200	0	<200	0	0	5
24 N11	<200	0	<200	0	0	0
24 N12	<200	0	<200	0	9	11
24 N13	<200	0	<200	0	0	2
24 N14	<200	0	<200	0	0	0
24 N15	<200	0	<200	0	5	5
24 N16	<200	0	<200	0	0	0
24 N17	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 N18	<200	0	<200	0	0	2
24 N19	<200	0	<200	0	0	0
24 N20	<200	0	<200	0	2	2
24 N21	<200	0	<200	0	5	2
24 N22	<200	0	<200	0	5	2
24 N23	<200	0	<200	0	5	2
24 N24	<200	0	<200	0	5	2
24 N25	<200	0	<200	0	9	2
24 N26	<200	0	<200	0	12	8
24 N27	<200	0	<200	0	15	5
24 N28	<200	0	<200	0	0	0
24 N29	<200	0	<200	0	0	0
24 N30	<200	0	<200	0	0	0
24 N31	<200	0	<200	0	0	0
24 N32	<200	0	<200	0	0	0
24 N33	<200	0	<200	0	0	0
24 N34	<200	0	<200	0	0	0
24 N35	<200	0	<200	0	0	1
24 O3	<200	0	<200	0	0	0
24 O4	<200	0	<200	0	2	0
24 O5	<200	0	<200	0	0	8
24 O6	<200	0	<200	0	2	0
24 O7	<200	0	<200	0	0	0
24 O8	<200	0	<200	0	5	2
24 O9	<200	0	<200	0	2	11

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 O10	<200	0	<200	0	0	0
24 O11	<200	0	<200	0	0	5
24 O12	<200	0	<200	0	2	0
24 O13	<200	0	<200	0	0	0
24 O13A	<200	0	<200	0	0	0
24 O14	<200	0	<200	0	9	5
24 O15	<200	0	<200	0	0	2
24 O16	<200	0	<200	0	0	5
24 O17	<200	0	<200	0	0	0
24 O18	<200	0	<200	0	0	0
24 O19	<200	0	<200	0	0	5
24 O20	<200	0	<200	0	9	16
24 O21	<200	0	<200	0	2	2
24 O22	<200	0	<200	0	0	2
24 O23	<200	0	<200	0	2	8
24 O24	<200	0	<200	0	2	2
24 O25	<200	0	<200	0	3	8
24 O26	<200	0	<200	0	0	0
24 O27	<200	0	<200	0	2	0
24 O28	<200	0	<200	0	2	2
24 O29	<200	0	<200	0	18	0
24 O30	<200	0	<200	0	0	5
24 O31	<200	0	<200	0	0	2
24 O32	<200	0	<200	0	2	2
24 O33	<200	0	516	0	5	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DECIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 O34	<200	0	<200	0	0	5
24 O35	<200	0	760	0	6	7
24 P3	<200	0	<200	0	0	2
24 P4	<200	0	<200	0	0	0
24 P5	<200	0	<200	0	2	5
24 P6	<200	0	<200	0	0	0
24 P7	<200	0	<200	0	0	0
24 P8	<200	0	<200	0	2	0
24 P9	<200	0	<200	0	9	2
24 P10	<200	0	<200	0	5	2
24 P11	<200	0	<200	0	2	2
24 P12	<200	0	770		0	5
24 P13	<200	0	<200	0	0	0
24 P13A	<200	0	880		5	0
24 P14	<200	0	<200	0	0	2
24 P15	<200	0	<200	0	2	0
24 P16	<200	0	<200	0	11	5
24 P17	<200	0	<200	0	2	2
24 P18	<200	0	<200	0	0	0
24 P19	<200	0	<200	0	9	0
24 P20	<200	0	<200	0	0	2
24 P21	<200	0	<200	0	0	0
24 P22	<200	0	<200	0	0	0
24 P23	<200	0	<200	0	13	0
24 P24	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II MAIN FLOOR	24
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
24 P25	<200	0	<200	0	3	0
24 P26	<200	0	<200	0	5	0
24 P27	<200	0	<200	0	5	0
24 P28	<200	0	<200	0	0	2
24 P29	<200	0	<200	0	2	0
24 P30	<200	0	<200	0	2	5
24 P31	<200	0	<200	0	3	2
24 P32	<200	0	300	0	2	2
24 P33	<200	0	500	0	9	0
24 P34	<200	0	800	0	5	0
24 P35	<200	0	<200	0	6	0
24 Q3	<200	0	<200	0	12	0
24 Q3A	<200	0	<200	0	12	0
24 Q4	<200	0	<200	0	0	0
24 Q4A	<200	0	<200	0	0	0
24 Q5	<200	0	<200	0	12	11
24 Q5A	<200	0	<200	0	5	0
24 Q6	<200	0	<200	0	2	0
24 Q6A	<200	0	<200	0	2	8
24 Q7	<200	0	<200	0	0	0
24 Q7A	<200	0	<200	0	0	2
24 Q8	<200	0	<200	0	0	0
24 Q8A	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 A11	<200	0	238	0	0	2
4 A12	<200	0	<200	0	0	2
4 A17	<200	0	<200	0	0	0
4 A18	<200	0	<200	0	5	0
4 A28	<200	0	<200	0	0	2
4 A29	<200	0	<200	0	5	5
4 A30	<200	0	<200	0	0	0
4 A31	<200	0	<200	0	0	0
4 B3	<200	0	<200	0	0	0
4 B4	<200	0	<200	0	0	0
4 B5	<200	0	<200	0	0	0
4 B11	204.4	0	308	0	5	0
4 B12	<200	0	238	0	3	0
4 B17	<200	0	<200	0	5	0
4 B18	<200	0	<200	0	0	0
4 B28	<200	0	<200	0	2	2
4 B29	<200	0	<200	0	0	0
4 B30	<200	0	<200	0	0	0
4 B31	<200	0	<200	0	5	0
4 C3	<200	0	<200	0	0	0
4 C4	<200	0	<200	0	0	0
4 C5	<200	0	<200	0	0	0
4 C36	<200	0	<200	0	2	1
4 C37	<200	0	<200	0	2	1
4 D36	<200	0	<200	0	0	4

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 D37	<200	0	<200	0	0	0
4 E6	<200	0	<200	0	0	11
4 E7	<200	0	<200	0	5	6
4 E8	<200	0	<200	0	2	8
4 E9	<200	0	<200	0	0	0
4 E10	<200	0	<200	0	2	3
4 E11	<200	0	<200	0	0	3
4 E12	<200	0	<200	0	0	6
4 E13	<200	0	<200	0	5	0
4 E14	<200	0	<200	0	12	3
4 E15	<200	0	<200	0	12	11
4 E16	<200	0	<200	0	0	6
4 E17	<200	0	<200	0	0	0
4 E18	<200	0	<200	0	0	6
4 E23	<200	0	<200	0	2	0
4 E24	<200	0	<200	0	2	0
4 E26	<200	0	<200	0	15	14
4 E27	<200	0	<200	0	2	1
4 E28	<200	0	<200	0	0	0
4 E29	<200	0	<200	0	15	0
4 E30	<200	0	<200	0	0	0
4 E31	<200	0	<200	0	5	3
4 E32	<200	0	<200	0	0	0
4 E33	<200	0	<200	0	0	0
4 E36	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 E37	<200	0	<200	0	2	3
4 F6	<200	0	<200	0	0	3
4 F7	<200	0	<200	0	0	0
4 F8	<200	0	<200	0	0	6
4 F9	<200	0	<200	0	0	0
4 F10	<200	0	<200	0	0	0
4 F11	<200	0	<200	0	2	0
4 F12	<200	0	<200	0	0	0
4 F13	<200	0	<200	0	5	3
4 F14	<200	0	<200	0	2	0
4 F15	<200	0	<200	0	0	0
4 F16	<200	0	<200	0	5	3
4 F17	<200	0	<200	0	0	0
4 F18	<200	0	<200	0	2	0
4 F23	<200	0	<200	0	0	3
4 F24	<200	0	<200	0	2	0
4 F25	<200	0	<200	0	2	0
4 F26	<200	0	<200	0	2	0
4 F27	<200	0	<200	0	9	0
4 F28	<200	0	<200	0	0	0
4 F29	<200	0	<200	0	0	0
4 F30	<200	0	<200	0	5	0
4 F31	<200	0	<200	0	0	0
4 F32	<200	0	<200	0	0	0
4 F33	<200	0	<200	0	5	11

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 F36	<200	0	<200	0	2	0
4 F37	<200	0	<200	0	0	3
4 G4	<200	0	<200	0	0	0
4 G5	<200	0	<200	0	0	3
4 G36	<200	0	<200	0	0	0
4 G37	<200	0	<200	0	0	6
4 H4	<200	0	<200	0	0	0
4 H5	<200	0	<200	0	8	0
4 H36	<200	0	<200	0	5	3
4 H37	<200	0	<200	0	2	8
4 I4	<200	0	<200	0	0	0
4 I5	<200	0	<200	0	2	3
4 I36	<200	0	<200	0	5	0
4 I37	<200	0	<200	0	0	0
4 J4	<200	0	<200	0	0	0
4 J5	<200	0	<200	0	0	0
4 J36	<200	0	<200	0	0	0
4 J37	<200	0	<200	0	5	3
4 K1	<200	0	<200	0	0	3
4 K2	<200	0	275	0	5	0
4 K4	<200	0	<200	0	0	0
4 K5	<200	0	<200	0	2	0
4 K36	<200	0	<200	0	2	0
4 K37	<200	0	<200	0	2	6
4 L1	<200	0	<200	0	2	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 L2	<200	0	<200	0	0	0
4 L36	<200	0	<200	0	0	6
4 L37	<200	0	<200	0	0	0
4 M1	<200	0	<200	0	8	0
4 M2	<200	0	<200	0	2	0
4 M36	<200	0	480	0	0	0
4 M37	<200	0	360	0	0	0
4 N1	<200	0	<200	0	0	3
4 N2	<200	0	<200	0	0	0
4 N36	<200	0	360	0	2	0
4 N37	<200	0	600	0	0	0
4 O1	<200	0	<200	0	2	8
4 O2	<200	0	500	0	2	6
4 O36	<200	0	<200	0	0	0
4 O37	<200	0	<200	0	2	3
4 P1	<200	0	<200	0	2	6
4 P2	<200	0	<200	0	0	3
4 P36	<200	0	<200	0	0	0
4 P37	<200	0	<200	0	2	0
4 Q1	<200	0	<200	0	5	0
4 Q2	<200	0	<200	0	0	0
4 Q8A	<200	0	<200	0	0	0
4 Q9	<200	0	<200	0	0	0
4 Q10	<200	0	<200	0	0	3
4 Q11	<200	0	<200	0	2	8

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm²)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 Q12	<200	0	<200	0	2	0
4 Q13	<200	0	<200	0	0	0
4 Q14	<200	0	<200	0	0	0
4 Q15	<200	0	<200	0	2	0
4 Q16	<200	0	<200	0	8	6
4 Q17	<200	0	<200	0	2	0
4 Q18	<200	0	<200	0	8	6
4 Q19	<200	0	<200	0	0	8
4 Q20	<200	0	<200	0	12	3
4 Q21	<200	0	<200	0	8	11
4 Q22	<200	0	<200	0	0	0
4 Q23	<200	0	<200	0	0	1
4 Q24	<200	0	<200	0	0	3
4 Q25	<200	0	<200	0	2	0
4 Q26	<200	0	<200	0	0	0
4 Q27	<200	0	<200	0	2	0
4 Q28	<200	0	<200	0	2	0
4 Q29	<200	0	<200	0	2	0
4 Q30	<200	0	<200	0	5	0
4 Q31	<200	0	<200	0	2	0
4 Q32	<200	0	<200	0	2	0
4 Q33	<200	0	<200	0	0	0
4 Q34	<200	0	<200	0	0	0
4 Q35	<200	0	620	0	2	6
4 R3	<200	0	<200	0	2	3

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 R4	<200	0	<200	0	0	3
4 R5	<200	0	<200	0	0	3
4 R6	<200	0	770	0	25	3
4 R7	330	0	1152	0	12	3
4 R8	220	0	220	0	2	1
4 R8A	<200	0	<200	0	2	0
4 R9	<200	0	<200	0	0	0
4 R10	<200	0	<200	0	0	0
4 R11	<200	0	<200	0	2	0
4 R12	<200	0	<200	0	5	3
4 R13	<200	0	<200	0	2	6
4 R14	<200	0	<200	0	2	0
4 R15	<200	0	<200	0	2	3
4 R16	<200	0	<200	0	0	6
4 R17	<200	0	<200	0	2	0
4 R18	<200	0	<200	0	0	0
4 R19	<200	0	<200	0	0	6
4 R20	<200	0	<200	0	2	0
4 R21	<200	0	<200	0	0	3
4 R22	<200	0	<200	0	5	3
4 R23	<200	0	<200	0	0	3
4 R24	<200	0	<200	0	2	6
4 R25	<200	0	<200	0	5	3
4 R26	<200	0	<200	0	2	3
4 R27	<200	0	<200	0	2	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 R28	<200	0	<200	0	2	11
4 R29	<200	0	<200	0	0	0
4 R30	<200	0	<200	0	2	0
4 R31	<200	0	<200	0	5	6
4 R32	<200	0	<200	0	5	0
4 R33	<200	0	<200	0	2	8
4 R34	<200	0	<200	0	0	0
4 R35	<200	0	<200	0	0	0
4 S3	<200	0	216	0	5	0
4 S4	<200	0	770	0	9	6
4 S5	<200	0	<200	0	0	0
4 S6	<200	0	216	0	3	0
4 S7	<200	0	<200	0	0	0
4 S8	<200	0	<200	0	0	0
4 S10	220	0	220	0	6	1
4 S11	<200	0	<200	0	0	0
4 T10	220	0	720	0	2	0
4 T11	<200	0	220	0	3	0
4 T14	<200	0	<200	0	2	2
4 T15	<200	0	<200	0	0	3
4 T16	<200	0	<200	0	18	6
4 T17	<200	0	<200	0	2	0
4 U14	<200	0	<200	0	2	0
4 U15	<200	0	<200	0	0	0
4 U16	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4 U17	<200	0	<200	0	8	0
4 V14	<200	0	<200	0	8	0
4 V15	<200	0	<200	0	5	3
4 V16	<200	0	<200	0	5	6
4 V17	<200	0	<200	0	0	0
4 Z11	<200	0	<200	0	2	3
4 Z12	<200	0	<200	0	0	3

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	4
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
4-A10	<200	125	<200	363	2	2
4-G16	<200	145	<200	297	2	2
4-H16	<200	191	<200	594	27	10
4-Z10	<200	178	<200	462	2	0
4-C28	<200	445	<200	625	0	2
4-C30	<200	300	<200	450	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 A3	<200	0	<200	0	22	4
5 A4	<200	0	<200	0	2	0
5 A5	<200	0	<200	0	0	0
5 A6	<200	0	<200	0	0	4
5 A7	<200	0	<200	0	8	0
5 A8	<200	0	<200	0	5	4
5 A9	<200	0	<200	0	0	0
5 A10	<200	0	<200	0	2	7
5 A11	<200	0	<200	0	2	0
5 A12	<200	0	<200	0	2	2
5 A13	<200	0	<200	0	0	2
5 A14	<200	0	<200	0	2	0
5 A15	<200	0	<200	0	0	7
5 A16	<200	0	<200	0	0	0
5 A17	<200	0	<200	0	8	0
5 A18	<200	0	<200	0	0	0
5 A19	<200	0	<200	0	2	4
5 A20	<200	0	<200	0	2	7
5 A21	<200	0	<200	0	2	0
5 A22	<200	0	<200	0	0	0
5 A23	<200	0	<200	0	0	2
5 A24	<200	0	<200	0	2	0
5 A25	<200	0	<200	0	0	0
5 A26	<200	0	<200	0	0	2
5 A27	<200	0	<200	0	2	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 A28	<200	0	<200	0	0	0
5 A29	<200	0	<200	0	0	0
5 A30	<200	0	<200	0	5	2
5 A31	<200	0	<200	0	2	0
5 A32	<200	0	<200	0	5	4
5 A33	<200	0	<200	0	0	0
5 A34	<200	0	<200	0	12	2
5 A35	<200	0	<200	0	0	0
5 A36	<200	0	<200	0	2	0
5 A37	<200	0	<200	0	5	2
5 A38	<200	0	<200	0	0	0
5 A39	<200	0	<200	0	2	0
5 A40	<200	0	<200	0	0	0
5 A41	<200	0	<200	0	0	0
5 A42	<200	0	<200	0	0	2
5 A43	<200	0	<200	0	2	0
5 A44	<200	0	<200	0	2	0
5 A45	<200	0	<200	0	0	0
5 A46	<200	0	<200	0	0	0
5 A47	<200	0	<200	0	0	0
5 A48	<200	0	<200	0	0	7
5 A49	<200	0	<200	0	2	0
5 B3	<200	0	<200	0	5	0
5 B4	<200	0	<200	0	2	4
5 B5	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 B6	<200	0	<200	0	2	7
5 B7	<200	0	<200	0	2	7
5 B8	<200	0	<200	0	5	0
5 B9	<200	0	<200	0	2	2
5 B10	<200	0	<200	0	0	0
5 B11	<200	0	<200	0	0	0
5 B12	<200	0	<200	0	0	0
5 B13	<200	0	<200	0	2	0
5 B14	<200	0	<200	0	0	0
5 B15	<200	0	<200	0	2	0
5 B16	<200	0	<200	0	5	2
5 B17	<200	0	<200	0	2	2
5 B18	<200	0	<200	0	8	0
5 B19	<200	0	<200	0	12	2
5 B20	<200	0	<200	0	0	0
5 B21	<200	0	<200	0	0	0
5 B22	<200	0	<200	0	0	0
5 B23	<200	0	<200	0	5	0
5 B24	<200	0	<200	0	2	0
5 B25	<200	0	<200	0	2	2
5 B26	<200	0	<200	0	0	4
5 B27	<200	0	<200	0	0	4
5 B28	<200	0	<200	0	0	0
5 B29	<200	0	<200	0	2	0
5 B30	<200	0	<200	0	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 B31	<200	0	<200	0	2	0
5 B32	<200	0	<200	0	5	0
5 B33	<200	0	<200	0	0	0
5 B34	<200	0	<200	0	2	0
5 B35	<200	0	<200	0	2	0
5 B36	<200	0	<200	0	0	2
5 B37	<200	0	<200	0	2	0
5 B38	<200	0	<200	0	5	0
5 B39	<200	0	<200	0	0	0
5 B40	<200	0	<200	0	0	0
5 B41	<200	0	<200	0	0	2
5 B42	<200	0	<200	0	5	0
5 B43	<200	0	<200	0	8	0
5 B44	<200	0	<200	0	2	0
5 B45	<200	0	<200	0	2	2
5 B46	<200	0	<200	0	0	0
5 B47	<200	0	<200	0	12	0
5 B48	<200	0	<200	0	0	0
5 B49	<200	0	<200	0	0	7
5 C1	<200	0	<200	0	0	0
5 C2	<200	0	<200	0	0	0
5 C3	<200	0	<200	0	2	1
5 C4	<200	0	<200	0	0	0
5 C5	<200	0	<200	0	5	1
5 C6	<200	0	<200	0	9	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 C7	<200	0	<200	0	9	20
5 C8	<200	0	<200	0	0	1
5 C9	<200	0	330	0	2	0
5 C10	<200	0	<200	0	2	0
5 C11	<200	0	<200	0	0	0
5 C12	<200	0	<200	0	0	1
5 C13	<200	0	<200	0	2	0
5 C14	<200	0	<200	0	2	1
5 C15	<200	0	<200	0	0	0
5 C16	<200	0	<200	0	0	0
5 C17	<200	0	<200	0	5	1
5 C18	<200	0	<200	0	0	4
5 C19	<200	0	<200	0	0	1
5 C20	<200	0	<200	0	0	4
5 C21	<200	0	220	0	0	0
5 C22	<200	0	660	0	5	3
5 C23	286	0	770	0	0	0
5 C24	352	0	770	0	2	0
5 C25	220	0	440	0	12	3
5 C26	<200	0	<200	0	2	3
5 C27	<200	0	<200	0	2	1
5 C28	<200	0	440	0	0	1
5 C29	<200	0	440	0	5	8
5 C30	<200	0	220	0	5	4
5 C31	<200	0	440	0	5	3

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 C32	220	0	440	0	12	1
5 C33	<200	0	220	0	2	9
5 C34	220	0	550	0	2	6
5 C35	<200	0	220	0	2	1
5 C36	440	0	440	0	9	6
5 C37	220	0	140	0	5	0
5 C38	<200	0	600	0	2	0
5 C39	264	0	1056	0	2	0
5 C40	<200	0	600	0	0	0
5 C41	<200	0	<200	0	0	1
5 C42	240	0	852	0	0	4
5 C43	<200	0	<200	0	0	0
5 C44	<200	0	<200	0	0	4
5 C45	<200	0	<200	0	2	1
5 C46	<200	0	<200	0	1	0
5 C47	<200	0	<200	0	0	0
5 C48	<200	0	<200	0	0	1
5 C49	<200	0	<200	0	0	0
5 C50	<200	0	<200	0	0	4
5 C51	<200	0	<200	0	0	1
5 D1	<200	0	<200	0	3	0
5 D2	<200	0	<200	0	3	0
5 D3	<200	0	<200	0	10	0
5 D4	<200	0	<200	0	0	2
5 D5	<200	0	<200	0	0	4

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 D6	<200	0	<200	0	6	0
5 D7	<200	0	<200	0	3	0
5 D8	<200	0	<200	0	6	7
5 D9	<200	0	<200	0	10	0
5 D10	<200	0	<200	0	3	0
5 D11	<200	0	<200	0	0	0
5 D12	<200	0	<200	0	6	0
5 D13	<200	0	<200	0	0	0
5 D14	<200	0	<200	0	6	0
5 D15	<200	0	<200	0	0	9
5 D16	<200	0	<200	0	3	0
5 D17	<200	0	<200	0	0	0
5 D18	<200	0	<200	0	0	0
5 D19	<200	0	<200	0	3	2
5 D20	<200	0	<200	0	13	4
5 D21	<200	0	400	0	3	0
5 D22	<200	0	500	0	6	9
5 D23	<200	0	600	0	16	6
5 D24	288	0	540	0	16	7
5 D25	216	0	500	0	3	2
5 D26	367	0	588	0	3	0
5 D27	<200	0	400	0	3	2
5 D28	<200	0	288	0	6	2
5 D29	<200	0	<200	0	6	0
5 D30	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 D31	<200	0	<200	0	0	0
5 D32	<200	0	<200	0	6	0
5 D33	<200	0	<200	0	3	0
5 D34	<200	0	<200	0	0	4
5 D35	<200	0	<200	0	3	0
5 D36	<200	0	250	0	0	4
5 D37	<200	0	<200	0	6	2
5 D38	<200	0	240	0	0	0
5 D39	242	0	770	0	3	0
5 D40	<200	0	240	0	3	3
5 D41	<200	0	<200	0	0	4
5 D42	<200	0	<200	0	0	4
5 D43	<200	0	<200	0	20	0
5 D44	<200	0	<200	0	0	2
5 D45	<200	0	<200	0	0	2
5 D46	<200	0	<200	0	0	2
5 D47	<200	0	<200	0	10	0
5 D48	<200	0	<200	0	3	2
5 D49	<200	0	<200	0	0	0
5 D50	<200	0	246	0	10	2
5 D51	<200	0	<200	0	0	0
5 E1	<200	0	<200	0	0	0
5 E2	<200	0	<200	0	0	0
5 E3	<200	0	<200	0	0	0
5 E4	<200	0	<200	0	0	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 E5	<200	0	<200	0	0	1
5 E6	<200	0	<200	0	0	4
5 E7	<200	0	<200	0	5	12
5 E8	<200	0	<200	0	0	1
5 E9	<200	0	<200	0	0	0
5 E10	<200	0	<200	0	0	0
5 E11	<200	0	<200	0	2	0
5 E12	<200	0	<200	0	5	0
5 E13	<200	0	<200	0	0	0
5 E14	<200	0	<200	0	0	0
5 E15	<200	0	<200	0	0	1
5 E16	<200	0	<200	0	12	4
5 E17	<200	0	<200	0	2	1
5 E18	<200	0	<200	0	0	0
5 E19	<200	0	<200	0	2	0
5 E20	<200	0	<200	0	5	0
5 E21	<200	0	<200	0	0	0
5 E22	<200	0	<200	0	5	1
5 E23	288	0	1200	0	0	0
5 E24	<200	0	<200	0	0	1
5 E25	<200	0	<200	0	0	0
5 E26	<200	0	<200	0	0	1
5 E27	<200	0	<200	0	0	0
5 E28	<200	0	<200	0	0	0
5 E29	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 E30	<200	0	<200	0	0	4
5 E31	<200	0	<200	0	0	0
5 E32	<200	0	<200	0	0	1
5 E33	<200	0	432	0	12	0
5 E34	<200	0	<200	0	0	1
5 E35	<200	0	<200	0	2	9
5 E36	<200	0	876	0	2	0
5 E37	<200	0	<200	0	2	0
5 E38	374	0	2040	0	0	1
5 E39	220	0	768	0	0	0
5 E40	<200	0	<200	0	2	0
5 E41	<200	0	<200	0	0	0
5 E42	<200	0	<200	0	0	1
5 E43	<200	0	<200	0	0	0
5 E44	<200	0	<200	0	0	1
5 E45	<200	0	220	0	3	4
5 E46	<200	0	<200	0	0	0
5 E47	<200	0	<200	0	2	1
5 E48	<200	0	<200	0	0	0
5 E49	<200	0	220	0	6	0
[illegible]	<200	0	265	0	3	0
5 E51	<200	0	<200	0	3	0
5 F1	<200	0	<200	0	0	2
5 F2	<200	0	<200	0	0	4
5 F3	<200	0	<200	0	13	7

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 F4	<200	0	<200	0	0	0
5 F5	<200	0	<200	0	10	9
5 F6	<200	0	<200	0	0	2
5 F7	<200	0	<200	0	6	0
5 F8	<200	0	<200	0	0	0
5 F9	<200	0	<200	0	0	0
5 F10	<200	0	<200	0	0	12
5 F11	<200	0	<200	0	6	0
5 F12	<200	0	<200	0	3	0
5 F13	<200	0	<200	0	3	0
5 F14	<200	0	<200	0	0	4
5 F15	<200	0	<200	0	10	0
5 F16	<200	0	<200	0	3	3
5 F17	<200	0	<200	0	0	0
5 F18	<200	0	<200	0	0	0
5 F19	<200	0	<200	0	6	0
5 F20	<200	0	<200	0	13	0
5 F21	<200	0	<200	0	6	3
5 F22	<200	0	400	0	6	2
5 F23	<200	0	<200	0	10	4
5 F24	<200	0	<200	0	6	2
5 F25	220	0	<200	0	6	2
5 F26	220	0	480	0	3	3
5 F27	220	0	440	0	2	3
5 F28	220	0	220	0	0	9

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 F29	220	0	220	0	3	2
5 F30	220	0	936	0	10	4
5 F31	220	0	600	0	0	0
5 F32	<200	0	440	0	3	2
5 F33	<200	0	<200	0	0	2
5 F34	<200	0	700	0	6	2
5 F35	220	0	600	0	8	0
5 F36	<200	0	<200	0	0	0
5 F37	440	0	1320	0	3	0
5 F38	220	0	660	0	3	0
5 F39	220	0	660	0	3	7
5 F40	<200	0	440	0	3	0
5 F41	<200	0	<200	0	3	4
5 F42	<200	0	<200	0	0	0
5 F43	<200	0	<200	0	3	2
5 F44	<200	0	<200	0	10	0
5 F45	<200	0	<200	0	0	2
5 F46	<200	0	<200	0	0	0
5 F47	<200	0	<200	0	10	0
5 F48	<200	0	<200	0	6	0
5 F49	<200	0	<200	0	0	2
5 F50	<200	0	422	0	3	1
5 F51	<200	0	<200	0	13	2
5 G1	<200	0	<200	0	2	4
5 G2	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 G3	<200	0	<200	0	0	1
5 G3A	<200	0	<200	0	0	0
5 G4	<200	0	<200	0	0	0
5 G5	<200	0	<200	0	0	0
5 G5A	<200	0	<200	0	0	0
5 G6	<200	0	<200	0	2	1
5 G6A	<200	0	<200	0	0	0
5 G7	<200	0	<200	0	0	1
5 G7A	<200	0	<200	0	0	0
5 G8	<200	0	<200	0	5	0
5 G8A	<200	0	<200	0	0	2
5 G9	<200	0	<200	0	0	1
5 G9A	<200	0	<200	0	3	2
5 G10	<200	0	<200	0	0	4
5 G10A	<200	0	<200	0	0	0
5 G11	<200	0	200	0	3	4
5 G11A	<200	0	<200	0	0	0
5 G12	<200	0	210	0	0	1
5 G12A	<200	0	<200	0	0	4
5 G13	<200	0	<200	0	2	1
5 G13A	<200	0	<200	0	3	0
5 G14	<200	0	<200	0	2	4
5 G14A	<200	0	<200	0	0	0
5 G15	<200	0	<200	0	0	9
5 G15A	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 G16	<200	0	<200	0	6	3
5 G16A	<200	0	<200	0	0	2
5 G17	<200	0	700	0	0	4
5 G17A	<200	0	<200	0	3	9
5 G18	<200	0	<200	0	2	0
5 G18A	<200	0	<200	0	0	0
5 G19	<200	0	<200	0	0	4
5 G19A	<200	0	<200	0	6	9
5 G20	<200	0	<200	0	2	1
5 G20A	<200	0	<200	0	0	0
5 G21	<200	0	<200	0	0	0
5 G21A	<200	0	<200	0	0	4
5 G22	<200	0	350	0	6	0
5 G22A	<200	0	382	0	0	2
5 G23	<200	0	<200	0	9	0
5 G23A	<200	0	408	0	3	0
5 G24	<200	0	<200	0	0	0
5 G24A	<200	0	276	0	0	0
5 G25	<200	0	<200	6	0	0
5 G25A	<200	0	252	0	0	3
5 G26	<200	0	<200	0	5	4
5 G26A	<200	0	600	0	0	3
5 G27	<200	0	320	0	3	0
5 G27AQ	<200	0	<200	0	6	0
5 G28	<200	0	330	0	3	9

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 G28A	<200	0	<200	0	0	2
5 G29	<200	0	700	0	0	0
5 G29A	<200	0	<200	0	6	0
5 G30	<200	0	700	0	3	0
5 G30A	<200	0	<200	0	3	2
5 G31	535	0	574	0	6	3
5 G31A	<200	0	400	0	3	0
5 G32	428	0	700	0	0	1
5 G32A	264	0	880	0	0	2
5 G33	<200	0	276	0	3	0
5 G33A	220	0	440	0	9	0
5 G34	207	0	365	0	0	4
5 G34A	<200	0	298	0	3	4
5 G35	<200	0	252	0	0	6
5 G35A	204	0	372	0	3	2
5 G36	<200	0	250	0	0	7
5 G36A	<200	0	348	0	6	0
5 G37	210	0	456	0	3	11
5 G37A	206	0	492	0	0	0
5 G38	250	0	1224	0	2	1
5 G38A	<200	0	372	0	0	0
5 G39	<200	0	700	0	2	0
5 G39A	206	0	336	0	6	0
5 G40	<200	0	220	0	3	1
5 G40A	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 G41	<200	0	220	0	3	1
5 G41A	<200	0	<200	0	0	0
5 G42	<200	0	<200	0	0	1
5 G42A	<200	0	<200	0	0	0
5 G43	<200	0	<200	0	2	0
5 G43A	<200	0	<200	0	0	0
5 G44	<200	0	<200	0	0	1
5 G44A	<200	0	<200	0	0	4
5 G45	<200	0	<200	0	2	0
5 G45A	<200	0	300	0	9	7
5 G46	<200	0	<200	0	0	1
5 G46A	<200	0	<200	0	0	0
5 G47	<200	0	<200	0	2	0
5 G47A	<200	0	<200	0	0	0
5 G48	<200	0	<200	0	0	1
5 G48A	<200	0	<200	0	0	0
5 G49	<200	0	<200	0	0	0
5 G49A	<200	0	<200	0	0	4
5 G50	<200	0	<200	0	0	0
5 G51	<200	0	<200	0	5	3
5 H1	<200	0	<200	0	0	0
5 H2	<200	0	<200	0	0	0
5 H3	<200	0	<200	0	5	5
5 H4	<200	0	<200	0	2	0
5 H5	<200	0	<200	0	0	0

SHEET _____ of ___ ___

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 H6	<200	0	<200	0	0	0
5 H7	<200	0	<200	0	0	0
5 H8	<200	0	<200	0	0	0
5 H8A	<200	0	<200	0	0	0
5 H9	<200	0	<200	0	0	0
5 H9A	<200	0	<200	0	0	0
5 H10	<200	0	<200	0	2	0
5 H11	<200	0	<200	0	0	0
5 H12	<200	0	<200	0	0	7
5 H13	<200	0	<200	0	0	2
5 H14	<200	0	<200	0	0	0
5 H15	<200	0	<200	0	0	5
5 H16	<200	0	<200	0	2	0
5 H17	<200	0	<200	0	0	0
5 H18	<200	0	<200	0	0	7
5 H19	<200	0	<200	0	0	2
5 H20	<200	0	<200	0	0	0
5 H21	<200	0	<200	0	0	2
5 H22	<200	0	<200	0	0	0
5 H23A	<200	0	<200	0	0	0
5 H23	<200	0	<200	0	5	0
5 H24	<200	0	<200	0	0	0
5 H25	<200	0	<200	0	0	2
5 H26	<200	0	<200	0	0	2
5 H27	<200	0	<200	0	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 H28	<200	0	<200	0	0	0
5 H29	<200	0	<200	0	0	2
5 H30	<200	0	<200	0	0	0
5 H31	<200	0	<200	0	0	0
5 H31A	<200	0	<200	0	0	0
5 H32	<200	0	<200	0	0	0
5 H32A	<200	0	<200	0	0	5
5 H33	<200	0	<200	0	0	0
5 H34	<200	0	<200	0	2	2
[illegible]35	<200	0	<200	0	2	0
[illegible]36	<200	0	<200	0	0	2
[illegible]37	<200	0	<200	0	0	5
[illegible]8	<200	0	<200	0	8	5
H39	<200	0	<200	0	0	0
5 H40	<200	0	<200	0	18	5
5 H42	<200	0	<200	0	0	0
5 H43	<200	0	<200	0	2	0
5 H44	<200	0	<200	0	8	5
5 H45	<200	0	<200	0	2	0
5 H46	<200	0	<200	0	5	0
5 H47	<200	0	<200	0	0	0
5 H48	<200	0	<200	0	0	0
5 H49	<200	0	<200	0	0	0
5 I3	<200	0	<200	0	0	0
5 I4	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 I5	<200	0	<200	0	2	0
5 I6	<200	0	<200	0	0	5
5 I7	<200	0	<200	0	2	0
5 I8	<200	0	<200	0	2	0
5 I8A	<200	0	<200	0	0	2
5 I9	<200	0	<200	0	2	0
5 I9A	<200	0	<200	0	0	0
5 I10	<200	0	<200	0	22	13
5 I11	<200	0	<200	0	12	0
5 I12	<200	0	<200	0	12	0
5 I13	<200	0	<200	0	5	2
5 I14	<200	0	<200	0	0	0
5 I15	<200	0	<200	0	0	0
5 I16	<200	0	<200	0	8	0
5 I17	<200	0	<200	0	2	0
5 I18	<200	0	<200	0	0	0
5 I19	<200	0	<200	0	0	2
5 I20	<200	0	<200	0	0	0
5 I21	<200	0	<200	0	0	2
5 I22	<200	0	<200	0	0	0
5 I23A	<200	0	<200	0	2	0
5 I23	<200	0	<200	0	0	2
5 I24	<200	0	<200	0	0	2
5 I25	<200	0	<200	0	0	0
5 I26	<200	0	<200	0	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	5
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
5 I27	<200	0	<200	0	0	0
5 I28	<200	0	<200	0	2	2
5 I29	<200	0	<200	0	0	0
5 I30	<200	0	<200	0	0	0
5 I31	<200	0	<200	0	0	0
5 I31A	<200	0	<200	0	0	5
5 I32	<200	0	<200	0	0	0
5 I32A	<200	0	<200	0	2	0
5 I33	<200	0	<200	0	0	0
5 I34	<200	0	<200	0	0	2
5 I35	<200	0	<200	0	2	5
5 I36	<200	0	<200	0	0	0
5 I37	<200	0	<200	0	0	2
5 I38	<200	0	<200	0	0	5
5 I39	<200	0	<200	0	0	0
5 I40	<200	0	<200	0	0	2
5 I42	<200	0	<200	0	0	0
5 I43	<200	0	<200	0	2	0
5 I44	<200	0	<200	0	0	0
5 I45	<200	0	<200	0	0	0
5 I46	<200	0	<200	0	0	2
5 I47	<200	0	<200	2	0	2
5 I48	<200	0	<200	0	0	2
5 I49	<200	0	<200	0	0	2

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 A7	<200	0	<200	0	4	0
6 A8	<200	0	<200	0	0	0
6 A10	<200	0	<200	0	5	3
6 A11	<200	0	<200	0	0	1
6 A12	<200	0	<200	0	1	6
6 A14	<200	0	<200	0	0	1
6 A15	<200	0	<200	0	1	0
6 A16	<200	0	<200	0	0	0
6 A18	<200	0	290	0	0	0
6 A19	<200	0	<200	0	1	0
6 A20	<200	0	<200	0	0	0
6 B7	<200	0	<200	0	1	0
6 B8	<200	0	<200	0	1	0
6 B9	<200	0	<200	0	0	0
6 B10	<200	0	<200	0	2	5
6 B11	<200	0	<200	0	0	0
6 B12	<200	0	<200	0	0	0
6 B14	<200	0	<200	0	1	0
6 B15	<200	0	<200	0	1	0
6 B16	<200	0	<200	0	0	6
6 B18	<200	0	<200	0	1	2
6 B19	<200	0	<200	0	0	0
6 B20	<200	0	<200	0	0	0
6 D5	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 D6	<200	159.6	<200	323	0	0
6 D8	<200	0	<200	0	15	0
6 D9	<200	0	<200	0	5	0
6 D10	<200	0	<200	0	0	0
6 D11	<200	0	<200	0	8	0
6 D12	<200	0	<200	0	0	0
6 D13	<200	0	<200	0	5	0
6 D14	<200	0	<200	0	1	0
6 D15	<200	0	<200	0	0	0
6 D16	<200	0	<200	0	5	3
6 D17	<200	224	<200	442	0	0
6 D18	<200	0	<200	0	0	0
6 D19	<200	0	<200	0	11	0
6 D20	<200	0	<200	0	0	0
6 D21	<200	0	<200	0	11	7
6 D22	<200	0	<200	0	1	0
6 D23	<200	94	<200	306	0	0
6 D24	<200	48	<200	238	0	0
6 E5	<200	0	<200	0	1	0
6 E6	<200	141	<200	323	0	0
6 E8	<200	0	<200	0	0	0
6 E9	<200	0	<200	0	0	0
6 E10	<200	0	<200	0	1	0
6 E11	<200	0	<200	0	0	0
6 E12	<200	0	<200	0	1	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 E13	<200	0	<200	0	1	0
6 E14	<200	0	<200	0	0	0
6 E15	<200	0	<200	0	0	0
6 E16	<200	0	<200	0	0	0
6 E17	<200	394	204	748	0	0
6 E18	<200	0	<200	0	0	0
6 E19	<200	0	<200	0	0	0
6 E20	<200	0	<200	0	0	0
6 E21	<200	109	<200	340	0	0
6 E22	<200	0	<200	0	0	0
6 E23	<200	0	<200	0	5	0
6 E24	<200	156	<200	476	0	2
6 G5	<200	0	<200	0	5	5
6 G6	<200	0	<200	0	0	0
6 G7	<200	0	<200	0	3	4
6 G8	<200	0	816	0	6	0
6 G9	<200	0	<200	0	0	0
6 G10	<200	0	<200	0	3	4
6 G11	<200	0	<200	0	0	0
6 G12	<200	0	<200	0	0	2
6 G13	<200	0	<200	0	0	2
6 G14	<200	0	<200	0	13	7
6 G15	<200	0	<200	0	0	0
6 G16	<200	0	<200	0	0	4
6 G17	<200	0	<200	0	0	2

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 G18	<200	0	<200	0	16	3
6 G19	<200	0	<200	0	13	2
6 G20	<200	0	<200	0	0	0
6 G21	<200	0	<200	0	0	0
6 G22	<200	0	<200	0	0	0
6 G23	<200	0	<200	0	0	0
6 G24	<200	0	<200	0	0	0
6 G26	<200	469	<200	918	1	0
6 G27	<200	354	<200	476	0	5
6 H6	<200	0	<200	0	0	2
6 H7	<200	0	<200	0	0	2
6 H8	<200	0	<200	0	9	0
6 H9	<200	0	<200	0	0	0
6 H10	<200	0	300	0	0	0
6 H11	<200	0	<200	0	0	0
6 H12	<200	0	<200	0	6	0
6 H13	<200	0	<200	0	0	6
6 H14	<200	0	250	0	3	0
6 H15	<200	0	200	0	0	0
6 H16	<200	0	<200	0	9	4
6 H17	<200	0	<200	0	0	0
6 H18	<200	0	<200	0	0	0
6 H19	<200	0	<200	0	0	2
6 H20	<200	0	<200	0	0	2
6 H21	<200	0	<200	0	9	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 H22	<200	0	<200	0	6	0
6 H23	<200	0	<200	0	6	0
6 H24	<200	0	<200	0	3	0
6 H26	<200	0	<200	0	0	0
6 H27	<200	0	450	0	0	0
6 I6	<200	0	<200	0	3	4
6 I7	<200	0	<200	0	0	0
6 I8	<200	0	<200	0	0	0
6 I9	<200	0	220	0	6	0
6 I10	<200	0	<200	0	0	0
6 I11	<200	0	<200	0	3	2
6 I12	<200	0	<200	0	0	0
6 I13	<200	0	<200	0	0	0
6 I14	<200	0	<200	0	0	0
6 I15	<200	0	<200	0	0	0
6 I16	<200	0	<200	0	0	0
6 I17	<200	0	600	0	2	1
6 I18	<200	0	<200	0	0	0
6 I19	<200	0	600	0	2	3
6 I20	<200	0	<200	0	3	0
6 I21	<200	0	<200	0	0	0
6 I22	<200	0	<200	0	0	0
6 I23	<200	0	<200	0	3	0
6 I24	<200	0	<200	0	3	0
6 I26	<200	0	<200	0	0	2

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 I27	<200	0	<200	0	3	4
6 J6	<200	0	<200	0	3	0
6 J12	<200	0	<200	0	3	0
6 J13	<200	0	<200	0	0	0
6 J14	<200	0	<200	0	0	0
6 J15	<200	0	<200	0	0	4
6 J16	<200	0	<200	0	0	0
6 J17	<200	0	360	0	0	2
6 J18	<200	0	<200	0	9	0
6 J19	<200	0	<200	0	3	0
6 J20	<200	0	240	0	3	0
6 J21	<200	0	<200	0	0	2
6 J22	<200	0	<200	0	0	0
6 J23	<200	0	<200	0	3	2
6 J24	<200	0	<200	0	0	2
6 J26	<200	0	<200	0	6	0
6 J27	<200	0	<200	0	0	2
6 K2	<200	0	<200	0	0	4
6 L2	<200	0	<200	0	6	0
6 L7	<200	0	<200	0	9	0
6 L8	<200	0	<200	0	0	0
6 L9	<200	0	<200	0	0	7
6 L15	<200	0	<200	0	0	0
6 L16	<200	0	<200	0	0	0
6 L17	<200	0	<200	0	0	3

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 L18	<200	271	<200	528	1	0
6 L19	<200	396	<200	759	4	5
6 L20	<200	0	<200	0	5	0
6 L21	<200	0	<200	0	12	3
6 L22	<200	0	<200	0	0	0
6 L23	<200	0	<200	0	15	0
6 L24	<200	0	<200	0	2	0
6 M7	<200	0	<200	0	0	5
6 M8	<200	0	<200	0	0	3
6 M9	<200	0	<200	0	0	0
6 M15	<200	0	<200	0	0	0
6 M16	<200	0	<200	0	2	5
6 M17	<200	0	<200	0	2	0
6 M18	<200	125	<200	297	0	0
6 M19	<200	112	<200	264	1	0
6 M20	<200	0	<200	0	2	0
6 M21	<200	0	<200	0	0	3
6 M22	<200	0	<200	0	0	0
6 M23	<200	0	<200	0	5	0
6 M24	<200	0	<200	0	8	3
6 N3	<200	0	<200	0	0	0
6 N4	<200	0	<200	0	0	0
6 N5	<200	0	<200	0	2	0
6 O3	<200	0	<200	0	2	0
6 O4	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6 O5	<200	0	<200	0	2	0
6 O15	<200	0	<200	0	2	5
6 O16	<200	482	<200	792	4	0
6 P15	<200	614	<200	1287	1	0
6 P16	<200	647	<200	825	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	6
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
6-A9	<200	90	<200	336	0	0
6-C7	<200	252	<200	448	0	0
6-C12	<200	174	<200	336	6	0
6-C14	<200	414	<200	616	6	0
6-C16	<200	532	<200	840	0	2
6-C19	<200	615	<200	952	0	9
6-C21	<200	455	<200	650	0	0
6-F1	<200	469	<200	646	0	2
6-G28	<200	380	<200	625	6	0
6-I28	<200	620	<200	1125	2	2
6-M2	<200	119	<200	396	6	5
6-P3	<200	157	<200	504	2	0
6-P4	<200	482	<200	840	0	0
6-P5	<200	90	<200	196	6	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 A10	<200	2	<200	11	0	0
13 A11	<200	0	<200	0	2	0
13 A12	<200	0	<200	0	0	0
13 A13	<200	0	<200	0	2	1
13 A14	<200	0	<200	0	0	3
13 A15	<200	0	<200	0	12	1
13 B4	<200	0	<200	0	0	0
13 B5	<200	0	<200	0	0	0
13 B6	<200	0	<200	0	2	0
13 B7	<200	0	<200	0	0	3
13 B10	<200	0	<200	0	5	3
13 B11	<200	0	<200	0	0	0
13 B12	<200	0	<200	0	9	1
13 B13	<200	0	<200	0	0	0
13 B16	<200	0	<200	0	2	6
13 B17	<200	0	<200	0	2	1
13 B19	<200	0	<200	0	0	1
13 B20	<200	0	<200	0	0	0
13 C4	<200	0	<200	0	9	0
13 C5	<200	0	<200	0	2	0
13 C6	<200	0	<200	0	0	1
13 C7	<200	0	<200	0	2	0
13 C10	<200	0	<200	0	5	1
13 C11	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 C13	<200	0	<200	0	2	3
13 C16	<200	0	<200	0	0	0
13 C17	<200	0	<200	0	0	3
13 C19	<200	0	<200	0	0	0
13 C20	<200	0	<200	0	0	1
13 D5	<200	0	<200	0	2	1
13 D6	<200	0	<200	0	0	1
13 D7	<200	0	<200	0	0	0
13 D9	<200	0	<200	0	0	0
13 D10	<200	0	<200	0	0	1
13 D10A	<200	0	<200	0	2	1
13 D11	<200	0	<200	0	12	3
13 D12	<200	0	<200	0	0	1
13 D13	<200	0	<200	0	0	1
13 D14	<200	0	<200	0	2	0
13 D15	<200	0	<200	0	1	0
13 D16	<200	0	<200	0	2	0
13 D17	<200	0	<200	0	0	1
13 D18	<200	0	<200	0	0	0
13 E5	<200	0	<200	0	2	0
13 E6	<200	0	<200	0	0	0
13 E6A	<200	0	<200	0	0	4
13 E7	<200	0	<200	0	0	1
13 E7A	<200	0	<200	0	9	0
13 E9	<200	0	<200	0	5	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 E9A	<200	0	<200	0	0	1
13 E10	<200	0	<200	0	2	0
13 E10A	<200	0	<200	0	0	0
13 E11	<200	0	<200	0	9	1
13 E12	<200	0	<200	0	0	1
13 E13	<200	0	<200	0	2	1
13 E14	<200	0	<200	0	0	1
13 E14A	<200	0	<200	0	2	1
13 E15	<200	0	<200	0	0	0
13 E15A	<200	0	<200	0	15	4
13 E16	<200	0	<200	0	0	1
13 E16A	<200	0	<200	0	5	0
13 E17	<200	0	<200	0	0	0
13 E17A	<200	0	<200	0	0	0
13 E18	<200	0	<200	0	5	0
13 F1	<200	0	<200	0	9	1
13 F5	<200	0	<200	0	2	8
13 F6	<200	0	<200	0	2	0
13 F6A	<200	0	<200	0	0	1
13 F7	<200	0	<200	0	0	3
13 F7A	<200	0	<200	0	0	0
13 F9	<200	0	<200	0	0	3
13 F9A	<200	0	<200	0	5	0
13 F10	<200	0	<200	0	0	1
13 F10A	<200	0	<200	0	0	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 F11	<200	0	<200	0	2	3
13 F12	<200	0	<200	0	0	0
13 F13	<200	0	<200	0	2	1
13 F14	<200	0	<200	0	0	1
13 F14A	<200	0	<200	0	0	0
13 F15	<200	0	<200	0	2	3
13 F15A	<200	0	<200	0	2	0
13 F16	<200	0	<200	0	0	0
13 F16A	<200	0	<200	0	0	0
13 F17	<200	0	<200	0	1	4
13 F17A	<200	0	<200	0	0	1
13 F18	<200	0	<200	0	0	0
13 F21	<200	0	<200	0	0	0
13 F22	<200	0	<200	0	0	0
13 G5	<200	0	<200	0	0	0
13 G5A	<200	0	<200	0	0	1
13 G6	<200	0	<200	0	5	0
13 G6A	<200	0	<200	0	0	1
13 G7	<200	0	<200	0	12	0
13 G7A	<200	0	<200	0	0	0
13 G9	<200	0	<200	0	0	6
13 G10	<200	0	<200	0	0	0
13 G10A	<200	0	<200	0	2	0
13 G11	<200	0	<200	0	2	0
13 G12	<200	0	<200	0	9	3

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 G13	<200	0	<200	0	0	0
13 G14	<200	0	<200	0	0	1
13 G14A	<200	0	<200	0	0	0
13 G15	<200	0	<200	0	0	1
13 G16	<200	0	<200	0	0	1
13 G16A	<200	0	<200	0	0	3
13 G17	<200	0	<200	0	0	1
13 G17A	<200	0	<200	0	0	0
13 G18	<200	0	<200	0	2	0
13 G18A	<200	0	<200	0	5	1
13 H1	<200	0	<200	0	2	1
13 H5	<200	0	<200	0	0	3
13 H6	<200	0	<200	0	0	3
13 H7	<200	0	<200	0	0	1
13 H10	<200	0	550	0	2	3
13 H11	<200	0	<200	0	0	0
13 H12	<200	0	<200	0	0	0
13 H13	<200	0	<200	0	0	3
13 H14	<200	0	<200	0	2	1
13 H16	<200	0	<200	0	0	0
13 H17	<200	0	<200	0	0	0
13 H18	<200	0	<200	0	0	3
13 I1	<200	0	<200	0	0	0
13 I5	<200	0	<200	0	5	0
13 I6	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 I7	<200	0	<200	0	0	0
13 I10	<200	0	<200	0	5	0
13 I11	<200	0	<200	0	0	0
13 I12	<200	0	<200	0	0	3
13 I13	<200	0	<200	0	0	0
13 I14	<200	0	<200	0	0	0
13 I16	<200	0	<200	0	0	0
13 I17	<200	0	<200	0	2	0
13 I18	<200	0	<200	0	19	0
13 I20	<200	0	<200	0	2	1
13 J5	<200	0	<200	0	0	0
13 J6	<200	0	<200	0	0	0
13 J7	<200	0	<200	0	0	0
13 J10	<200	0	<200	0	22	3
13 J11	<200	0	<200	0	0	0
13 J12	<200	0	<200	0	2	0
13 J13	<200	0	<200	0	12	8
13 J14	<200	0	<200	0	2	0
13 J16	<200	0	<200	0	2	0
13 J17	<200	0	<200	0	0	0
13 J18	<200	0	<200	0	0	0
13 J20	<200	0	<200	0	0	0
13 K5	<200	0	<200	0	2	0
13 K6	<200	0	<200	0	0	0
13 K7	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 K10	<200	0	<200	0	0	3
13 K11	<200	0	<200	0	2	0
13 K12	<200	0	<200	0	2	0
13 K13	<200	0	<200	0	0	0
13 K14	<200	0	<200	0	2	0
13 K16	<200	0	<200	0	0	0
13 K17	<200	0	<200	0	0	0
13 K18	<200	0	<200	0	2	3
13 L18	<200	0	<200	0	5	1
13 L19	<200	0	<200	0	5	6
13 M10	<200	0	<200	0	0	6
13 M11	<200	0	<200	0	0	0
13 M12	<200	0	<200	0	0	0
13 M13	<200	0	<200	0	0	0
13 M14	<200	0	<200	0	0	0
13 M17	<200	0	<200	0	12	1
13 M18	<200	0	<200	0	5	0
13 M19	<200	0	<200	0	0	0
13 M20	<200	0	<200	0	0	1
13 N10	<200	0	<200	0	0	0
13 N11	<200	0	<200	0	2	1
13 N12	<200	0	<200	0	0	0
13 N13	<200	0	<200	0	2	0
13 N14	<200	0	<200	0	0	0
13 N17	<200	0	<200	0	5	0

SHEET ___ ___ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT	13
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
13 N18	<200	0	<200	0	0	0
13 N19	<200	0	<200	0	0	3
13 N20	<200	0	<200	0	0	1
13 O10	<200	0	<200	0	0	0
13 O11	<200	0	<200	0	5	0
13 O12	<200	0	<200	0	0	0
13 O13	<200	0	<200	0	2	0
13 O14	<200	0	<200	0	0	0
13 O18	<200	0	<200	0	0	1
13 O19	<200	0	<200	0	9	1
13 A9	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT STAIRS	14
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
14 C16	<200	0	<200	0	0	0
14 C17	<200	0	<200	0	5	4
14 C18	<200	0	<200	0	0	0
14 D16	<200	0	<200	0	0	3
14 D17	<200	0	<200	0	0	0
14 D18	<200	0	<200	0	0	0
14 E5	<200	0	<200	0	0	0
14 E11	<200	0	<200	0	0	0
14 E16	<200	0	<200	0	2	0
14 E17	<200	0	<200	0	0	0
14 E18	<200	0	<200	0	2	0
14 E22	<200	0	<200	0	2	1
14 F3	<200	0	<200	0	0	0
14 F8	<200	0	<200	0	0	0
14 G3	<200	0	<200	0	0	1
14 G5	<200	0	<200	0	5	3
14 G6	<200	0	<200	0	0	0
14 G8	<200	0	<200	0	0	0
14 G11	<200	0	<200	0	0	0
14 G12	<200	0	<200	0	0	1
14 G21	<200	0	<200	0	0	1
14 G22	<200	0	<200	0	15	6
14 H3	<200	0	<200	0	0	0
14 H5	<200	0	360	0	6	0
14 H6	<200	0	<200	0	0	6

SHEET ___ ___ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT STAIRS	14
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
14 H8	<200	0	<200	0	0	0
14 H11	<200	0	<200	0	2	1
14 H22	<200	0	<200	0	0	0
14 H12	<200	0	<200	0	0	0
14 H21	<200	0	<200	0	0	0
14 I3	<200	0	<200	0	0	0
14 I5	<200	0	<200	0	0	0
14 I6	<200	0	660	0	0	0
14 I8	<200	0	<200	0	0	0
14 I11	<200	0	<200	0	9	4
14 I12	<200	0	<200	0	2	4
14 I13	<200	0	<200	0	5	0
14 I20	<200	0	<200	0	5	0
14 I21	<200	0	<200	0	2	0
14 I22	<200	0	<200	0	2	0
14 J3	<200	0	<200	0	0	0
14 J8	<200	0	<200	0	0	0
14 J11	<200	0	<200	0	0	0
14 J12	<200	0	<200	0	2	0
14 J13	<200	0	<200	0	0	8
14 J15	<200	0	720	0	0	1
14 J16	<200	0	708	0	0	1
14 J17	<200	0	720	0	3	0
14 J18	<200	0	<200	0	0	0
14 J21	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT STAIRS	14
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
14 J22	<200	0	<200	0	0	0
14 L5	<200	0	<200	0	0	0
14 L15	<200	0	<200	0	0	6
14 L16	<200	0	<200	0	0	3
14 L17	<200	0	<200	0	2	0
14 L18	<200	0	<200	0	2	0
14 M15	<200	0	<200	0	0	1
14 M16	<200	0	<200	0	15	3
14 M17	<200	0	<200	0	0	0
14 M18	<200	0	<200	0	0	3
14 N9	<200	0	<200	0	2	0
14 N10	<200	0	<200	0	2	9
14 N11	<200	0	<200	0	0	1
14 N15	<200	0	<200	0	0	0
14 N16	<200	0	<200	0	0	0
14 N17	<200	0	<200	0	2	0
14 N18	<200	0	<200	0	2	6
14 EL1	<200	0	<200	0	0	0
14 EL2	<200	0	<200	0	0	0
14 EL3	<200	0	<200	0	0	0
14 EL4	<200	0	<200	0	0	0
14 EL5	<200	0	<200	0	0	1
14 EL6	<200	0	<200	0	0	1
14 EL7	<200	0	<200	0	0	0
14 EL8	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II PRESS PIT STAIRS	14
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
14 PIT9	<200	0	<200	0	0	0
14 PIT10	<200	0	<200	0	0	6
14 PIT11	<200	0	<200	0	2	0
14 PIT12	<200	0	<200	0	0	0
14 PIT13	<200	0	<200	0	2	1
14 PIT14	<200	0	<200	0	5	0
14 PIT15	<200	0	<200	0	2	3
14 PIT16	<200	0	<200	0	0	1
14 PIT17	<200	0	<200	0	0	6
14 PIT18	<200	0	<200	0	0	6
14 PIT19	<200	0	<200	0	2	1
14 PIT20	<200	0	<200	0	2	0
14 PIT21	<200	0	<200	0	0	0
14 PIT22	<200	0	<200	0	9	6
14 PIT23	<200	0	<200	0	2	1

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25 A2	<200	0	<200	0	1	0
25 A3	<200	0	<200	0	1	0
25 A4	<200	0	<200	0	0	0
25 A6	<200	0	<200	0	4	0
25 A7	<200	0	<200	0	0	0
25 A8	<200	0	<200	0	0	0
25 A9	<200	0	<200	0	1	1
25 A10	<200	0	<200	0	0	0
25 A10A	<200	0	<200	0	1	0
25 A11	<200	0	<200	0	0	0
25 A12	<200	0	<200	0	1	0
25 A13	<200	0	<200	0	0	0
25 A14	<200	0	<200	0	0	0
25 B2	<200	0	<200	0	0	0
25 B3	<200	0	<200	0	0	0
25 B4	<200	0	<200	0	0	0
25 B6	<200	0	<200	0	0	0
25 B7	<200	0	<200	0	1	0
25 B8	<200	0	<200	0	0	0
25 B9	<200	0	<200	0	0	1
25 B10	<200	0	<200	0	0	1
25 B10A	<200	0	<200	0	4	0
25 B11	<200	0	<200	0	1	0
25 B12	<200	0	<200	0	4	4
25 B13	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25 B14	<200	0	<200	0	1	0
25 C2	<200	0	<200	0	1	0
25 C2A	<200	0	<200	0	1	0
25 C3	<200	0	<200	0	0	0
25 C3A	<200	0	<200	0	1	1
25 C6	<200	0	<200	0	0	0
25 C7	<200	0	<200	0	0	0
25 C8	<200	0	<200	0	0	0
25 C9	<200	0	<200	0	0	1
25 C10	<200	0	<200	0	0	1
25 C11	<200	0	<200	0	0	0
25 C12	<200	0	<200	0	0	4
25 C13	<200	0	<200	0	1	0
25 C14	<200	0	<200	0	0	0
25 C16	<200	0	<200	0	0	0
25 C17	<200	0	<200	0	0	1
25 D2	<200	0	<200	0	1	1
25 D3	<200	0	<200	0	7	0
25 D6	<200	0	<200	0	0	0
25 D7	<200	0	<200	0	0	0
25 D8	<200	0	<200	0	1	0
25 D9	<200	0	<200	0	11	0
25 D10	<200	0	<200	0	0	0
25 D11	<200	0	<200	0	0	0
25 D12	<200	0	<200	0	1	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25 D13	<200	0	<200	0	1	1
25 D14	<200	0	<200	0	0	0
25 D16	<200	0	<200	0	1	0
25 D17	<200	0	<200	0	0	0
25 E2	<200	0	<200	0	0	0
25 E3	<200	0	<200	0	0	0
25 E4	<200	0	<200	0	1	0
25 E5	<200	0	<200	0	1	0
25 E6	<200	0	<200	0	0	0
25 E7	<200	0	<200	0	4	0
25 E8	<200	0	<200	0	1	1
25 E9	<200	0	<200	0	1	0
25 E10	<200	0	<200	0	0	1
25 E11	<200	0	<200	0	0	0
25 E12	<200	0	<200	0	0	4
25 E13	<200	0	550	0	3	0
25 E14	<200	0	800	0	0	0
25 E16	<200	0	<200	0	1	0
25 E17	<200	0	<200	0	1	0
25 F2	<200	0	<200	0	0	6
25 F3	<200	0	<200	0	4	0
25 F4	<200	0	<200	0	0	0
25 F5	<200	0	<200	0	9	1
25 F6	<200	0	440	0	3	0
25 F7	<200	0	<200	0	0	6

SHEET _ ____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25 F8	<200	0	<200	0	0	0
25 F9	<200	0	<200	0	0	0
25 F10	<200	0	<200	0	0	0
25 F11	<200	0	<200	0	0	0
25 F12	<200	0	<200	0	4	0
25 F13	<200	0	<200	0	0	0
25 F14	<200	0	<200	0	24	0
25 F16	<200	0	<200	0	1	0
25 F17	<200	0	<200	0	0	0
25 H4	<200	0	<200	0	1	0
25 H5	<200	0	<200	0	0	0
25 H6	<200	0	<200	0	0	6
25 H7	<200	0	<200	0	0	1
25 H8	<200	0	<200	0	0	1
25 H9	<200	0	<200	0	1	0
25 H10	<200	0	<200	0	0	0
25 H11	<200	0	<200	0	0	0
25 H12	<200	0	<200	0	0	0
25 H13	<200	0	<200	0	4	0
25 H14	<200	0	<200	0	0	0
25 I4	<200	0	<200	0	0	1
25 I5	<200	0	<200	0	0	0
25 I6	<200	0	<200	0	0	0
25 I7	<200	0	<200	0	4	0
25 I8	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25 I9	<200	0	<200	0	0	0
25 I10	<200	0	<200	0	0	0
25 I11	<200	0	<200	0	0	0
25 I12	<200	0	<200	0	0	0
25 I13	<200	0	<200	0	4	1
25 I14	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II LOCKER ROOM	25
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
25-A1	<200	464	<200	783	0	0
25-E1	<200	459	<200	837	0	4
25-F1	<200	475	<200	783	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II SHOWER	26
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
26 A8	<200	0	<200	0	0	1
26 A9	<200	0	<200	0	0	1
26 A10	<200	0	<200	0	5	1
26 B8	<200	0	<200	0	0	0
26 B9	<200	0	<200	0	0	0
26 B10	<200	0	<200	0	0	1
26 D6	<200	0	<200	0	0	1
26 D7	<200	0	<200	0	0	1
26 D8	<200	0	<200	0	5	1
26 D9	<200	0	<200	0	0	6
26 D10	<200	0	<200	0	0	0
26 D12	<200	0	<200	0	5	6
26 D13	<200	0	<200	0	0	0
26 E6	<200	0	<200	0	0	1
26 E7	<200	0	<200	0	0	6
26 E8	<200	0	<200	0	0	0
26 E9	<200	0	<200	0	5	1
26 E10	<200	0	<200	0	0	0
26 E12	<200	0	<200	0	0	0
26 E13	<200	0	<200	0	5	1
26 G8	<200	0	<200	0	0	0
26 G9	<200	0	<200	0	0	0
26 G10	<200	0	<200	0	0	0
26 H8	<200	0	<200	0	0	6
26 H9	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II SHOWER	26
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
26 H10	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II ARGON ROOM	27
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
27-A5	<200	0	<200	0	0	0
27-A6	<200	185	<200	551	0	0
27-A7	<200	8[illegible]	[illegible]	1044	0	2
27-A8	<200	3[illegible]	[illegible]	580	0	0
27-A9	<200	0	[illegible]	0	0	0
27-B5	<200	0	<200	0	0	0
27-B6	<200	244	<200	754	0	0
27-B7	<200	313	<200	667	0	0
27-B8	<200	319	<200	609	2	2
27-B9	<200	174	<200	870	0	2
27-D2	<200	0	<200	1044	2	0
27-D3	<200	145	<200	725	2	0
27-D5	<200	0	732	580	0	2
27-D6	<200	215	<200	1073	2	4
27-D7	<200	0	<200	870	2	2
27-D8	<200	0	<200	899	2	0
27-D9	<200	0	<200	1305	2	2
27-D10	<200	313	<200	928	9	0
27-D11	<200	0	<200	0	0	0
27-E2	<200	0	<200	0	0	0
27-E3	<200	0	<200	957	2	0
27-E5	<200	226	1440	1363	0	0
27-E6	<200	0	624	1160	2	0
27-E7	<200	0	204	1160	0	2
27-E8	<200	0	216	609	5	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II ARGON ROOM	27
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
27-E9	<200	157	<200	783	0	0
27-E10	<200	0	<200	1015	2	4
27-E11	<200	0	<200	0	0	0
27-F2	<200	0	<200	725	0	0
27-F3	<200	0	<200	1015	0	0
27-F5	<200	226	<200	1276	5	4
27-F6	<200	215	<200	1276	2	0
27-F7	<200	215	<200	1247	0	0
27-F8	<200	0	<200	957	0	2
27-F9	<200	0	<200	986	0	0
27-F10	<200	0	<200	0	0	0
27-F11	<200	0	<200	0	0	0
27-H5	<200	0	<200	0	0	0
27-H6	<200	0	<200	0	0	0
27-H7	<200	0	<200	0	0	0
27-H8	<200	0	<200	0	0	4
27-H9	<200	0	<200	0	0	0
27-I5	<200	0	<200	0	0	0
27-I6	<200	0	<200	0	0	0
27-I7	<200	0	<200	0	0	0
27-I8	<200	0	<200	0	0	0
27-I9	<200	0	<200	0	0	0

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UPPER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-A9	<200	670	<200	945	9	8
204-A10	<200	751	<200	1242	16	0
204-B9	<200	626	<200	918	0	0
204-B10	<200	675	<200	1053	2	0
204-B10A	<200	65	<200	200	0	6
204-B11	<200	464	<200	756	0	1
204-B12	<200	432	<200	972	0	1
204-B13	<200	340	<200	594	6	1
204-B14	<200	200	<200	567	9	3
204-B15	<200	157	<200	459	9	3
204-B16A	<200	400	<200	702	0	0
204-B17	<200	11	<200	54	0	3
204-B18	<200	34	<200	140	2	0
204-B19	<200	56	<200	140	0	0
204-B20	<200	0	<200	0	0	3
204-B21	<200	6	<200	28	2	3
204-B22	<200	73	<200	308	13	11
204-B23	<200	22	<200	112	6	1
204-B24	<200	34	<200	168	2	6
204-B25	<200	0	<200	0	13	6
204-C9	<200	670	<200	1215	6	3
204-C10	<200	454	<200	621	23	6
204-C10A	<200	110	<200	300	6	0
204-C11	<200	394	<200	756	9	11
204-C12	<200	400	<200	891	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-C13	<200	232	<200	540	2	6
204-C14	<200	502	<200	729	13	18
204-C15	<200	410	<200	675	6	0
204-C16	<200	497	<200	756	27	1
204-C17	<200	0	<200	0	9	6
204-C18	<200	0	<200	0	0	3
204-C19	<200	38	<200	216	0	0
204-C20	<200	0	<200	0	6	1
204-C21	<200	11	<200	27	2	0
204-C22	<200	151	<200	270	2	6
204-C23	<200	11	<200	27	0	3
204-C24	<200	0	<200	0	0	1
204-C25	<200	0	<200	0	2	0
204-E6	<200	295	<200	475	0	1
204-E7	<200	150	<200	475	2	1
204-E10	<200	0	<200	0	6	0
204-E11	<200	0	<200	0	2	0
204-E12	<200	0	<200	0	0	0
204-E13	<200	25	<200	100	0	0
204-E1	<200	28	<200	140	2	2
204-E15	<200	28	<200	84	16	0
204-E16	<200	28	<200	140	13	2
204-E17	<200	0	<200	0	0	0
204-E18	<200	0	<200	0	6	0
204-E19	<200	0	<200	0	23	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-E20	<200	0	<200	0	6	0
204-E21	<200	0	<200	0	9	22
204-E22	<200	0	<200	0	0	0
204-E23	<200	0	<200	0	9	1
204-E24	<200	0	<200	0	10	13
204-E25	<200	0	<200	0	6	0
204-E27	<200	108	<200	243	0	0
204-E28	<200	0	<200	0	6	1
204-F6	<200	360	<200	550	2	1
204-F7	<200	110	<200	175	6	6
204-F10	<200	38	<200	81	0	0
204-F11	<200	0	<200	0	6	0
204-F12	<200	11	<200	54	0	0
204-F13	<200	15	<200	75	6	9
204-F14	<200	0	<200	0	0	0
204-F15	<200	0	<200	0	10	3
204-F16	<200	0	<200	0	3	10
204-F17	<200	0	<200	0	21	3
204-F18	<200	0	<200	0	0	0
204-F19	<200	20	<200	100	0	0
204-F20	<200	0	<200	0	0	0
204-F21	<200	0	<200	0	2	0
204-F22	<200	0	<200	0	9	0
204-F23	<200	0	<200	0	2	0
204-F24	<200	0	<200	0	9	6

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-G28	<200	150	<200	425	6	1
204-H5	<200	275	<200	513	16	13
204-H6	<200	319	<200	513	9	0
204-H7	<200	529	<200	837	6	3
204-H9	<200	16	<200	81	6	5
204-H10	<200	16	<200	81	0	0
204-H11	<200	60	<200	175	6	0
204-H12	<200	35	<200	175	0	4
204-H13	<200	115	<200	450	9	0
204-H14	<200	0	<200	0	0	0
204-H15	<200	0	<200	0	0	3
204-H16	<200	11	<200	56	6	0
204-H17	<200	0	<200	0	0	0
204-H18	<200	0	<200	0	0	0
204-H19	<200	0	<200	0	0	0
204-H20	<200	0	<200	0	6	8
204-H21	<200	0	<200	0	9	8
204-H22	<200	5	<200	25	6	3
204-H23	<200	0	<200	0	0	0
204-H24	<200	0	<200	0	20	0
204-H25	<200	0	<200	0	0	0
204-H27	<200	60	<200	300	0	0
204-H28	<200	210	<200	575	9	8
204-I5	<200	432	360	621	23	11
204-I6	<200	740	<200	891	16	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-F25	<200	0	<200	0	0	0
204-F27	<200	108	<200	270	2	1
204-F28	<200	0	<200	0	0	0
204-G5	<200	470	<200	918	6	0
204-G6	<200	432	<200	486	0	3
204-G6A	<200	455	<200	725	0	1
204-G7	<200	616	<200	1134	0	0
204-G7A	<200	110	<200	350	0	4
204-G9	<200	0	<200	0	0	0
204-G10	<200	0	<200	0	0	5
204-G11	<200	0	<200	0	0	10
204-G12	<200	0	<200	0	0	3
204-G13	<200	0	<200	0	0	0
204-G14	<200	0	<200	0	0	0
204-G15	<200	27	<200	135	4	1
204-G16	<200	11	<200	54	5	2
204-G17	<200	0	<200	0	0	0
204-G18	<200	0	<200	0	9	3
204-G19	<200	40	<200	200	0	0
204-G20	<200	0	<200	0	0	9
204-G21	<200	0	<200	0	2	0
204-G22	<200	0	<200	0	2	1
204-G23	<200	0	<200	0	0	0
204-G24	<200	0	<200	0	9	1
204-G25	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-I7	<200	691	<200	1350	6	8
204-I9	<200	0	<200	0	0	0
204-I10	<200	0	<200	0	6	0
204-I11	<200	0	<200	0	0	0
204-I12	<200	0	<200	0	0	0
204-I13	<200	0	<200	0	20	16
204-I14	<200	0	<200	0	16	8
204-I15	<200	0	<200	0	9	1
204-I16	<200	0	<200	0	16	3
204-I17	<200	0	<200	0	6	3
204-I18	<200	0	<200	0	0	0
204-I19	<200	0	<200	0	0	3
204-I20	<200	0	<200	0	2	0
204-I21	<200	0	<200	0	9	4
204-I22	<200	6	<200	28	0	0
204-I23	<200	22	<200	112	16	3
204-I24	<200	0	<200	0	0	0
204-I25	<200	56	210	112	0	8
204-I27	<200	259	<200	621	1	0
204-I28	<200	281	<200	486	2	1
204-J5	<200	215	<200	500	0	3
204-J6	<200	405	<200	650	0	0
204-J7	<200	375	<200	850	6	0
204-J9	<200	86	<200	243	0	0
204-J10	<200	43	<200	216	16	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-J11	<200	22	<200	54	2	0
204-J27	<200	245	<200	425	0	1
204-J28	<200	90	<200	250	6	0
204-J29	<200	481	<200	675	0	0
204-L9	<200	695	<200	875	0	0
204-L10	<200	530	<200	700	2	0
204-L11	<200	600	<200	800	0	6
204-L11A	<200	670	<200	1100	2	8
204-L12	<200	745	<200	925	6	6
204-L13	<200	350	<200	475	6	0
204-L14	<200	556	<200	702	6	1
204-L15	<200	394	<200	702	2	0
204-L16	<200	119	<200	216	9	1
204-L17	<200	221	<200	405	6	1
204-L18	<200	319	<200	783	0	0
204-L19	<200	17	<200	84	0	1
204-L20	<200	0	<200	0	20	6
204-L21	<200	202	<200	420	2	1
204-L22	<200	269	<200	476	2	0
204-L23	<200	146	<200	324	0	8
204-L24	<200	235	<200	448	20	13
204-L25	<200	252	<200	672	0	0
204-L29	<200	550	<200	750	6	0
204-L30	<200	340	<200	825	0	8
204-L32	<200	405	<200	621	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-L32	<200	270	<200	405	2	6
204-M9	<200	434	<200	595	2	6
204-M10	<200	270	<200	475	0	0
204-M11	<200	430	<200	625	3	0
204-M11A	<200	515	<200	625	2	0
204-M12	<200	575	<200	775	9	1
204-M13	<200	430	<200	925	6	8
204-M14	<200	275	<200	810	0	6
204-M15	<200	281	<200	432	6	0
204-M16	<200	292	<200	702	27	6
204-M17	<200	248	<200	459	20	6
204-M18	<200	319	<200	540	9	0
204-M19	<200	218	<200	392	9	6
204-M20	<200	207	<200	504	9	1
204-M21	<200	224	<200	420	0	1
204-M22	<200	281	<200	918	2	0
204-M23	<200	351	<200	594	0	3
204-M24	<200	205	<200	432	9	3
204-M25	<200	1751	<200	7863	0	6
204-M29	<200	480	<200	750	2	1
204-M30	<200	305	<200	400	0	1
204-M31	<200	313	<200	459	2	1
204-M32	<200	275	<200	459	2	6
204-N9	<200	525	<200	875	2	0
204-N10	<200	115	<200	225	0	1

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-N11	<200	664	<200	783	0	3
204-N11A	<200	235	<200	575	0	3
204-N12	<200	290	<200	400	2	8
204-N13	<200	275	<200	375	6	3
204-N14	<200	275	<200	540	27	6
204-N16	<200	135	<200	513	2	1
204-N17	<200	265	<200	378	2	0
204-N18	<200	335	<200	513	5	7
204-N19	<200	101	<200	392	9	1
204-N20	<200	50	<200	168	0	13
204-N21	<200	375	<200	616	2	1
204-N22	<200	356	<200	567	0	6
204-N23	<200	448	<200	560	2	1
204-N24	<200	205	<200	432	13	6
204-N25	<200	335	<200	513	9	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-GD-1	<200	0	<200	0	2	4
204-GD1-1	<200	0	<200	0	5	7
204-GD1-2	<200	0	<200	0	5	15
204-GD-2	<200	0	<200	0	0	7
204-GD2-1	<200	0	<200	0	5	2
204-GD2-2	<200	13	<200	66	0	0
204-GD-3	<200	0	<200	0	0	0
204-GD3-1	<200	65	<200	189	3	18
204-GD3-2	<200	0	<200	0	0	0
204-GD-4	<200	0	<200	0	2	8
204-GD4-1	<200	410	<200	1296	0	0
204-GD4-2	<200	270	<200	756	9	0
204-BM1-3	<200	0	<200	0	4	3
204-BM1-4	<200	0	<200	0	0	0
204-BM1-5	<200	0	<200	0	0	5
204-BM-16	<200	0	<200	0	0	2
204-BM1-7	<200	0	<200	0	3	1
204-BM2-3	<200	0	<200	0	15	3
204-BM2-4	<200	0	<200	0	26	8
204-BM2-5	<200	0	<200	0	1	1
204-BM2-6	<200	0	<200	0	0	0
204-BM2-7	<200	0	<200	0	21	3
204-BM3-4	<200	0	<200	0	2	0
204-BM3-5	<200	0	<200	0	0	0
204-BM3-6	<200	0	<200	0	0	2

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204-BM 3-7	<200	0	<200	2	0	0
204-BM 4-3	<200	0	<200	0	2	0
204-BM 4-4	<200	0	<200	0	2	0
204-BM 4-5	<200	0	<200	0	0	1
204-BM 4-6	<200	0	<200	0	0	0
204-BM 4-7	<200	0	<200	2	0	0
204-BM 4-8	<200	0	<200	0	2	0
204-BM 6-1	<200	0	<200	0	1	0
204-BM 6-2	<200	0	<200	0	4	0
204-BM 6-3	<200	0	<200	0	0	0
204-BM 6-4	<200	0	<200	0	1	1
204-BM 6-5	<200	0	<200	0	19	1
204-BM 7-1	<200	0	<200	0	1	3
204-BM 7-2	<200	0	<200	0	1	3
204-BM 7-3	<200	0	<200	0	1	0
204-BM 7-4	<200	0	<200	0	0	0
204-BM 7-5	<200	0	<200	0	5	0
204-BM 8-1	<200	0	<200	0	1	3
204-BM 8-2	<200	48	<200	238	0	0
204-BM 8-3	<200	0	<200	0	1	3
204-BM 8-4	<200	0	<200	0	5	3
204-BM 8-5	<200	0	<200	0	1	1
204-BM 9-1	<200	0	<200	0	2	0
204-BM 9-2	<200	0	<200	0	2	0
204-BM 9-3	<200	0	<200	0	5	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II WALLS, MAIN AREA	204
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
204–BM 9-4	<200	20	<200	102	2	0
204–BM 9-5	<200	0	<200	0	0	4
204–BM 10-1	<200	0	<200	0	0	7
204–BM 10-2	<200	0	<200	0	0	7

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205-D6	<200	227	<200	324	0	0
205-D7	<200	70	<200	189	6	2
205-D8	<200	76	<200	297	0	2
205-D9	<200	135	<200	324	0	0
205-D10	<200	108	<200	189	0	0
205-D11	<200	265	<200	459	0	0
205-D12	<200	65	<200	189	0	2
205-D13	<200	157	<200	351	0	0
205-D14	<200	130	<200	594	0	2
205-D15	<200	243	<200	567	6	0
205-D16	<200	76	<200	270	0	0
205-D17	<200	194	<200	270	0	2
205-D18	<200	119	<200	243	0	2
205-D19	<200	292	<200	594	6	0
205-D20	<200	167	<200	297	0	0
205-D21	<200	254	<200	540	0	0
205-D22	<200	157	<200	297	0	0
205-D23	<200	76	<200	243	6	0
205-D24	<200	292	<200	432	0	0
205-D25	<200	211	<200	297	0	2
205-D26	<200	221	<200	324	0	8
205-D27	<200	173	<200	270	0	2
205-D28	<200	157	<200	324	0	0
205-D29	<200	248	<200	405	0	8
205-G3	<200	49	<200	135	0	6

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205–G6	<200	70	<200	162	9	6
205–G7	<200	97	<200	270	0	1
205–G8	<200	173	<200	324	0	4
205–G9	<200	92	<200	351	3	4
205–G10	<200	103	<200	432	0	4
205–G11	<200	38	<200	135	0	1
205–G12	<200	90	<200	224	3	4
205–G13	<200	281	<200	112	0	0
205–G14	<200	0	<200	0	0	0
205–G15	<200	0	<200	0	0	1
205–G16	<200	76	<200	216	3	0
205–G17	<200	43	<200	216	0	0
205–G18	<200	11	<200	54	0	0
205–G19	<200	43	<200	216	3	4
205–G20	<200	43	<200	216	0	1
205–G21	<200	0	<200	0	0	1
205–G22	<200	11	<200	54	3	0
205–G23	<200	0	<200	0	0	1
205–G24	<200	0	<200	0	0	0
205–G25	<200	81	<200	405	6	4
205–G26	<200	0	<200	0	0	0
205–G27	<200	5	<200	27	0	0
205–G28	<200	16	<200	54	3	0
205–G29	<200	0	<200	0	0	6
205–G31	<200	310	<200	500	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205-H3	<200	220	<200	375	0	0
205-H6	<200	101	<200	280	0	0
205-H7	<200	0	<200	0	0	0
205-H8	<200	190	<200	308	0	0
205-H9	<200	43	<200	108	6	1
205-H10	<200	84	<200	140	0	0
205-H11	<200	92	<200	243	0	0
205-H12	<200	0	<200	0	0	0
205-H13	<200	56	<200	112	6	0
205-H14	<200	15	<200	75	6	4
205-H15	<200	5	<200	25	0	0
205-H16	<200	10	<200	50	3	1
205-H17	<200	155	<200	325	0	0
205-H18	<200	45	<200	225	0	1
205-H19	<200	20	<200	75	3	0
205-H20	<200	0	<200	0	0	0
205-H21	<200	70	<200	350	0	0
205-H22	<200	25	<200	125	3	6
205-H23	<200	0	<200	0	0	4
205-H24	<200	5	<200	25	0	1
205-H25	<200	120	<200	300	6	0
205-H26	<200	5	<200	25	0	1
205-H27	<200	95	<200	475	3	4
205-H28	<200	0	<200	0	0	0
205-H29	<200	0	<200	0	0	4

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205-I3	<200	95	<200	275	0	6
205-I6	<200	11	<200	56	3	0
205-I7	<200	6	<200	28	3	4
205-I8	<200	50	<200	252	0	6
205-I9	<200	50	<200	168	3	6
205-I10	<200	61	<200	250	0	0
205-I11	<200	17	<200	56	3	1
205-I12	<200	190	<200	504	0	0
205-I13	<200	11	<200	56	3	4
205-I14	<200	118	<200	308	0	0
205-I15	<200	185	<200	252	0	0
205-I16	<200	101	<200	252	0	0
205-I17	<200	6	<200	28	3	4
205-I18	<200	101	<200	252	0	1
205-I19	<200	84	<200	308	0	0
205-I20	<200	0	<200	0	0	1
205-I21	<200	30	<200	150	0	0
205-I22	<200	30	<200	150	0	0
205-I23	<200	0	<200	0	3	0
205-I24	<200	0	<200	0	3	0
205-I25	<200	0	<200	0	0	0
205-I26	<200	30	<200	150	0	1
205-I27	<200	85	<200	325	0	1
205-I28	<200	0	<200	0	0	0
205-I29	<200	0	<200	0	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205-I31	<200	338	<200	644	0	0
205-L6	[illegible]	587	<200	250	0	0
205-L7	<200	185	<200	275	0	0
205-L8	<200	250	<200	550	0	4
205-L9	<200	230	<200	575	2	1
205-L10	<200	380	<200	675	0	0
205-L11	<200	305	<200	550	5	4
205-L12	<200	90	<200	325	0	1
205-L13	<200	85	<200	275	5	0
205-L14	<200	167	<200	567	0	9
205-L15	<200	232	<200	378	0	0
205-L16	<200	275	<200	486	0	4
205-L17	<200	75	<200	175	0	0
205-L18	<200	146	<200	270	2	1
205-L19	<200	38	<200	135	0	1
205-L20	<200	135	<200	486	0	0
205-L21	<200	86	<200	216	0	0
205-L22	<200	157	<200	270	0	4
205-L23	<200	50	<200	112	0	6
205-L24	<200	39	<200	112	0	0
205-L25	<200	315	<200	650	5	9
205-L26	<200	270	<200	525	23	4
205-L27	<200	216	<200	513	8	1
205-L28	<200	213	<200	336	0	0
205-L29	<200	764	<200	2870	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II A-B SPACE	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
205–GD 1-1	<200	0	<200	0	0	0
205–GD 1-2	<200	0	<200	0	0	0
205–GD 2-1	<200	0	<200	0	0	0
205–GD 2-2	<200	0	<200	0	2	0
205–GD 3-1	<200	0	<200	0	0	0
205–GD 3-2	<200	5	<200	26	0	0
205–GD 4-1	<200	10	<200	52	0	1
205–GD 44-2	<200	0	<200	0	2	0
205–GD 5-1	<200	0	<200	0	0	1
205–GD 5-2	<200	10	<200	52	0	1
205–GD 6-1	<200	36	<200	130	2	0
205–GD 6-2	<200	0	<200	0	6	1
205–GD 7-1	<200	52	<200	234	0	0
205–GD 7-2	<200	21	<200	104	0	0
205–GD 8-1	<200	31	<200	156	0	0
205–GD 8-2	<200	0	<200	0	0	0
205–GD 9-1	<200	53	<200	165	0	0
205–GD 9-2	<200	0	<200	0	6	8
205–GD 10-1	<200	0	<200	0	13	0
205–GD 10-2	<200	0	<200	0	0	0
205–GD 11-1	<200	0	<200	0	0	0
205–GD 11-2	<200	0	<200	0	2	0
205–GD 12-1	<200	119	<200	594	0	1
205–GD 12-2	<200	0	<200	0	2	1

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	205
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206-C4	<200	260	<200	450	0	0
206-C5	<200	291	<200	504	0	0
206-C6	<200	246	<200	420	0	0
206-C7	<200	252	<200	448	0	0
206-C8	<200	286	<200	812	0	0
206-C9	<200	216	<200	780	0	0
206-C10	<200	373	<200	540	0	0
206-C11	<200	594	<200	810	0	0
206-C12	<200	249	<200	621	0	0
206-C13	<200	292	<200	540	0	0
206-C14	<200	216	<200	540	0	0
206-C15	<200	430	<200	600	0	0
206-C16	<200	405	<200	800	0	0
206-C17	<200	610	<200	725	0	0
206-C18	<200	275	<200	525	0	0
206-C19	<200	325	<200	550	0	0
206-C20	<200	515	255	900	0	0
206-D4	<200	275	<200	756	0	0
206-D5	<200	475	<200	775	0	0
206-D6	<200	690	<200	1825	0	0
206-D7	<200	0	<200	0	0	0
206-D8	<200	481	<200	783	0	0
206-D9	<200	464	<200	729	0	0
206-D10	<200	383	<200	837	0	0
206-D11	<200	416	<200	675	0	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	206
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206-D12	<200	502	<200	1080	2	0
206-D13	<200	227	<200	405	2	5
206-D14	<200	340	<200	459	2	0
206-D15	<200	415	<200	775	0	2
206-D16	<200	415	<200	750	2	5
206-D17	<200	415	<200	600	2	0
206-D18	<200	85	<200	250	0	0
206-D19	<200	395	<200	575	0	2
206-D20	<200	620	<200	1752	6	17
206-F1	<200	297	<200	560	0	0
206-F1A	<200	185	<200	364	7	5
206-F2	<200	389	<200	702	0	0
206-F4	<200	0	<200	0	1	0
206-F5	<200	0	<200	0	1	0
206-F6	<200	0	<200	0	1	0
206-F7	<200	22	<200	81	0	3
206-F8	<200	0	<200	0	0	0
206-F9	<200	76	<200	378	1	0
206-F10	<200	0	<200	0	0	0
206-F11	<200	30	<200	150	0	1
206-F12	<200	0	<200	0	0	3
206-F13	<200	0	<200	0	0	8
206-F14	<200	25	<200	75	7	28
206-F15	<200	0	<200	0	3	1
206-F16	<200	0	<200	0	7	0

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	206
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206–F17	<200	0	<200	0	0	3
206–F18	<200	0	<200	0	3	1
206–F19	<200	22	<200	108	0	5
206–F20	<200	0	<200	0	7	0
206–F21	<200	245	<200	500	13	2
206–F22	<200	221	<200	405	9	0
206–G1	<200	263	<200	448	3	0
206–G1A	<200	202	<200	448	0	0
206–G2	<200	351	<200	594	0	0
206–G4	<200	0	<200	0	0	0
206–G5	<200	38	<200	189	0	0
206–G6	<200	27	<200	135	0	0
206–G7	<200	0	<200	0	0	3
206–G8	<200	0	<200	0	2	1
206–G9	<200	0	<200	0	0	1
206–G10	<200	0	<200	0	2	3
206–G11	<200	31	<200	156	21	5
206–G12	<200	0	<200	0	0	0
206–G13	<200	0	<200	0	3	0
206–G14	<200	0	<200	0	0	5
206–G15	<200	0	<200	0	0	1
206–G16	<200	0	<200	0	0	0
206–G17	<200	0	<200	0	0	0
206–G18	<200	0	<200	0	0	0
206–G19	<200	0	<200	0	3	3

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	206
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206–G20	<200	0	<200	0	0	5
206–G21	<200	205	<200	675	2	0
206–G22	<200	113	<200	405	6	0
206–I4	<200	263	<200	504	0	0
206–I5	<200	621	<200	972	0	1
206–I6	<200	356	<200	540	0	0
206–I7	<200	427	<200	729	0	8
206–I8	<200	260	<200	640	0	0
206–I9	<200	240	<200	900	0	3
206–I10	<200	381	<200	588	13	0
206–I11	<200	409	<200	756	0	0
206–I12	<200	571	<200	868	16	0
206–I13	<200	381	<200	532	2	5
206–I14	<200	325	<200	700	16	2
206–I15	<200	485	<200	725	0	0
206–I16	<200	454	<200	840	9	2
206–I17	<200	628	<200	928	9	5
206–I18	<200	420	<200	550	0	0
206–I19	<200	400	<200	725	2	0
206–I20	<200	550	<200	1000	2	0
206–J4	<200	235	<200	392	14	3
206–J5	<200	535	<200	972	3	5
206–J6	<200	297	<200	540	0	0
206–J7	<200	151	<200	260	0	0
206–J8	<200	448	<200	540	3	3

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	206
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206-J9	<200	108	<200	360	0	3
206-J10	<200	235	<200	532	0	0
206-J11	<200	162	<200	476	0	2
206-J12	<200	302	<200	644	0	0
206-J13	<200	314	<200	532	2	0
206-J14	<200	659	<200	945	6	2
206-J15	<200	400	<200	750	0	0
206-J16	<200	358	<200	670	2	0
206-J17	<200	414	<200	476	9	0
206-J18	<200	425	<200	550	6	0
206-J19	<200	290	<200	625	16	0
206-J20	<200	346	<200	702	6	0
206-K4	<200	129	<200	476	0	1
206-L5	<200	230	<200	392	0	13

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II CONTROL & DESAC ROOMS	206
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
206–GD1	<200	0	<200	0	2	2
206–GD1-1	<200	0	<200	0	0	0
206–GD1-2	<200	0	<200	0	0	0
206–GD2	<200	0	<200	0	0	0
206–GD2-1	<200	48	<200	238	0	0
206–GD2-2	<200	0	<200	0	0	0
206–GD3	<200	33	<200	165	0	7
206–GD3-1	<200	0	<200	0	0	0
206–GD3-2	<200	0	<200	0	0	5
206–BM1-1	<200	0	<200	0	0	2
206–BM1-2	<200	0	<200	0	2	0
206–BM2-1	<200	0	<200	0	0	0
206–GD1-3	<200	7	<200	33	0	0
206–GD1-4	<200	0	<200	0	10	7
206–BM4-1	<200	0	<200	0	0	0
206–BM4-2	<200	0	<200	0	2	2
206–BM5-17	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Nava Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II SHOWER	226
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
226–C7	<200	640	<200	780	0	0
226–D8	<200	853	<200	1248	0	0
226–E5	<200	941	<200	1248	0	0
226–E7	<200	286	<200	520	0	0
226–F7	<200	1050	<200	1404	0	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II ARGON ROOM	227
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
227-B9	<200	0	<200	0	0	0
227-B10	<200	0	<200	0	0	0
227-B11	<200	26	<200	132	0	0
227-C9	<200	383	<200	660	3	6
227-C10	<200	470	<200	825	0	9
227-C11	<200	786	<200	1056	0	0
227-D9	<200	556	<200	963	0	3
227-D10	<200	681	<200	1056	0	0
227-D11	<200	660	<200	986	0	0
227-F6	<200	265	<200	544	0	0
227-F7	<200	713	<200	924	0	0
227-F8	<200	653	<200	891	0	0
227-F9	<200	0	<200	0	0	0
227-F10	<200	0	<200	0	0	0
227-F11	<200	0	<200	0	0	0
227-F13	<200	877	<200	1530	3	3
227-F14	<200	317	<200	693	0	3
227-F15	<200	205	<200	663	3	0
227-G6	<200	374	<200	714	0	0
227-G7	<200	306	<200	476	0	8
227-G8	<200	544	<200	1020	7	3
227-G9	<200	0	<200	0	0	0
227-G10	<200	0	<200	0	0	0
227-G11	<200	0	<200	0	0	0
227-G13	<200	394	<200	1394	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT II ARGON ROOM	227
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
227-G14	<200	109	<200	408	0	0
227-G15	<200	48	<200	238	7	3
227-H9	<200	517	<200	1190	0	0
227-H10	<200	823	<200	1530	14	0
227-H11	<200	830	<200	1462	0	3
227-I9	<200	442	<200	1088	0	0
227-I10	<200	510	<200	816	0	0
227-I11	<200	435	<200	680	14	0
227-J9	<200	0	<200	0	0	3
227-J10	<200	0	<200	0	7	6
227-J11	<200	0	<200	0	0	0

SHEET _____ of _____

US 27

SPECIAL SURVEYS

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	T. PROSPERT / 3-18-92	Counted By/Date:	T. PROSPERT / 3-18-92

Counter Number:	T-1	Efficiency Factor:	Alpha 0.286	Beta/Gamma 0.395	Background:	Alpha 1.2	Beta/Gamma 1.7

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	TP		78152	'068942	1	28	30.8	12/25/91	x	
Beta/Gamma	TP		78152	'7954	59	15	43.0	12/25/91	x	
Micro R										

* Background for meters taken in non-fuel area.

Area U2 (AREAS #24, #5, #25, #6, #26)

Description: FLOOR DRAINS (BY GRID LOCATION

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
GRID #5-C44	0	62	0	129	N/A	N/A	3	4	6	6
GRID #5-G18	1	55	0	0	N/A	N/A	4	7	10	13
GRID #25-F5	3	84	62	1075	N/A	N/A	2	4	3	6
GRID #5-G21	0	73	0	602	N/A	N/A	1	8	0	16
GRID #5-G20	1	65	0	258	N/A	N/A	3	5	6	8
GRID #5-G44A	0	62	0	129	N/A	N/A	3	4	6	6
GRID #25-D7(S)	3	70	62	473	N/A	N/A	2	6	3	11
GRID #25-D7(N)	4	74	92	645	N/A	N/A	6	3	17	3
GRID #24-J28	1	70	0	473	N/A	N/A	5	9	13	18
GRID #24-Q3	1	65	0	258	N/A	N/A	5	2	13	1
GRID #5-H13	0	68	0	387	N/A	N/A	1	2	0	1
GRID #5-E21(E)	0	70	0	473	N/A	N/A	0	2	0	1
GRID #5E-21(W)	0	55	0	0	N/A	N/A	0	2	0	1
GRID #26-D9	1	55	0	0	N/A	N/A	2	0	3	0

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	G. PARTELO / 3-18-91	Counted By/Date:	J. KUTIA / 3-18-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.297	Beta/Gamma 0.379	Background:	Alpha 0.4	Beta/Gamma 2.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check	
Alpha	GP	3-18-91	75027	75830	4	23	8.7	6/6/91	x	
Beta/Gamma	GP	3-18-91	9051	7955	42	20	32.3	6/5/91	x	
Micro R										

* Background for meters taken in non-fuel a[illegible]

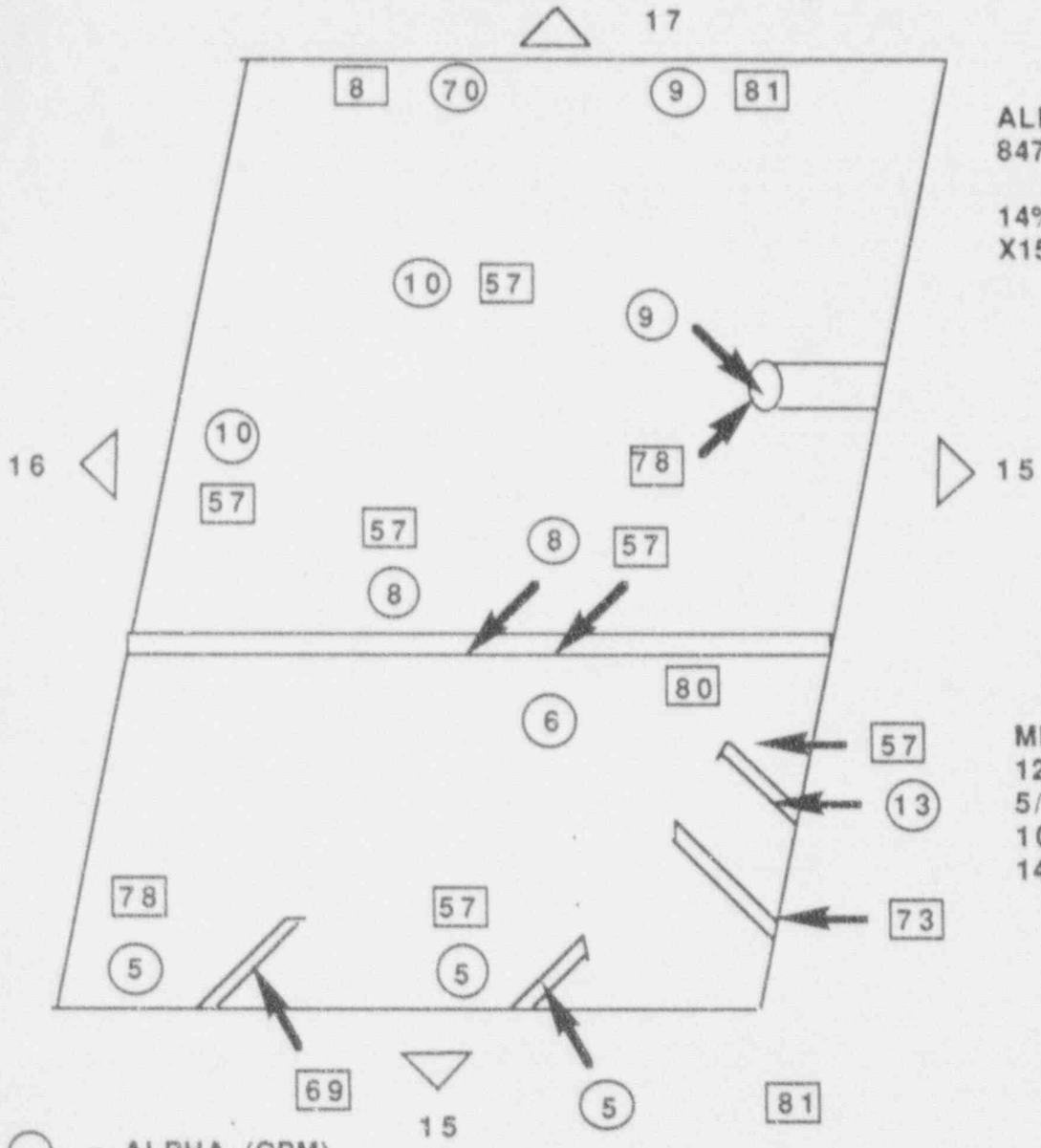
Area UNIT 2 AREA 25

Description: LOCK ROOM PLUMBING

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
VENT TOP LEFT	4	42	0	0	N/A	N/A	1	1	2	0
VENT TOP LEFT (B)	4	42	0	0	N/A	N/A	1	1	2	0
VENT TOP RIGHT	4	42	0	0	N/A	N/A	1	2	2	0
VENT TOP RIGHT (B)	4	42	0	0	N/A	N/A	0	1	0	0
VENT BOTTOM RIGHT	4	42	0	0	N/A	N/A	1	1	2	0
SINK DRAIN LEFT	4	42	0	0	N/A	N/A	0	3	0	1
SINK DRAIN RIGHT	4	42	0	0	N/A	N/A	0	1	0	0

N

U2 FLOOR DRAIN EXCAVATION SURVEY



ALPHA METER
84735 - 080915

14% - 1/2/92
X15 BKGR

MICRO "R"
12912 METER A
5/13/92
100%
14 BKGR

○ = ALPHA (CPM)

□ = BETA (CPM)

SEE ATTACHED SURVEY RECORD

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. PIETRAS / 11/8/91	Counted By/Date:	R. PIETRAS / 11/8/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RDP	11/8/91	84735	'080915	5	14	14.3	1/29/92	x	
Beta/Gamma	RDP	11-8-91	84485	'068863	57	20	32.3	2/1/92	X	
Micro R										

* Background for meters taken in non-fuel area.

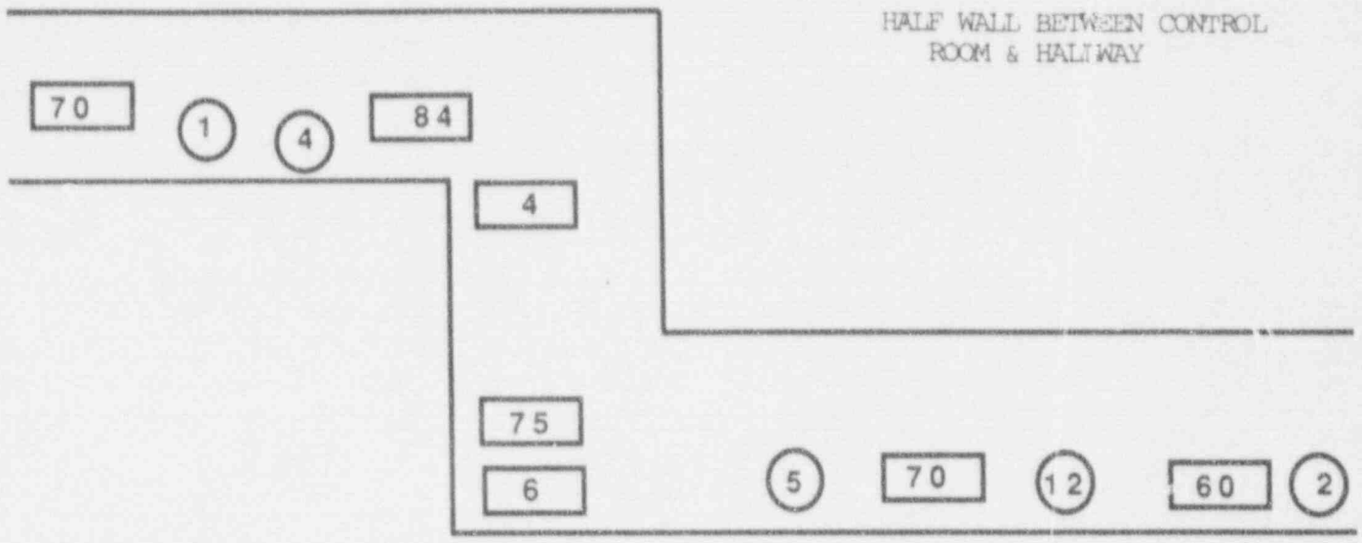
Area UNIT 2 FLOOR - MAIN AREA #4

Description: SURVEY OF FLOOR DRAIN EXCAVATION (SOIL SURFACE)

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
NORTH SIDE (A)	8	70	43	419	N/A	N/A	N/A	N/A	N/A	N/A
NORTH SIDE (B)	9	18	57	0	N/A	N/A	N/A	N/A	N/A	N/A
NORTH/CENTER	10	57	71	0	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH CENTER (A)	8	80	43	742	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH/CENTER (B)	6	47	14	0	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH SIDE (A)	5	78	0	677	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH SIDE (B)	5	57	0	0	N/A	N/A	N/A	N/A	N/A	N/A
WEST SIDE	10	57	71	0	N/A	N/A	N/A	N/A	N/A	N/A
DRAIN PIPE	9	78	57	677	N/A	N/A	0	1	0	0
CONDUIT A	8	57	43	0	N/A	N/A	1	2	3	1
CONDUIT B	13	57	114	0	N/A	N/A	1	2	3	1
CONDUIT C	5	81	0	774	N/A	N/A	0	2	0	1
CONDUIT D	N/A	73	N/A	516	N/A	N/A	N/A	N/A	N/A	N/A
CONDUIT E	N/A	69	N/A	387	N/A	N/A	N/A	N/A	N/A	N/A

UNIT II

HALF WALL BETWEEN CONTROL ROOM & HALLWAY



R. Cusano
11/8/91

84431 - 80918 - 21%
84498 - 08907 - 19%

○ Alpha (CPM)

▭ Beta (CPM)

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 11/3/91	Counted By/Date:	R. CUSANO / 11/8/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.6	Beta/Gamma 2.3

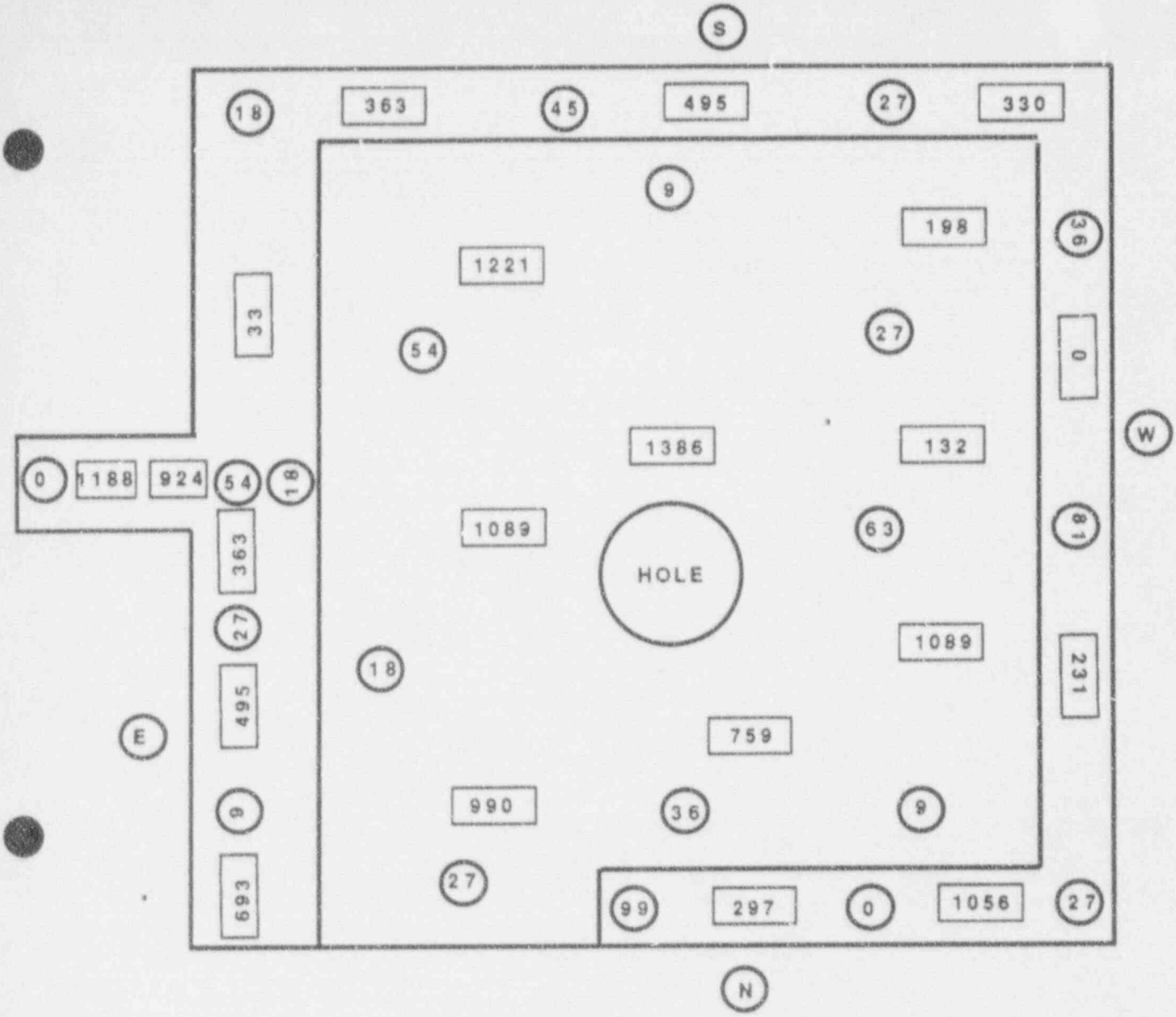
SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RAC	11/8/91	84431	'080918	1	21	9.5	1/17/92	x	
Beta/Gamma	RAC	11/8/91	84498	'080907	49	19	34.0	2/4/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area UNIT II

Description: 1/2 WALL BETWEEN CONTROL RM & HALLWAY

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
1/2 WALL (A)	1	70	0	713	N/A	N/A	1	5	1	7
1/2 WALL (B)	4	84	29	1188	N/A	N/A	0	4	0	4
1/2 WALL (C)	4	75	29	883	N/A	N/A	1	0	1	0
1/2 WALL (D)	6	70	48	713	N/A	N/A	0	2	0	0
1/2 WALL (E)	5	60	38	374	N/A	N/A	N/A	N/A	N/A	N/A
1/2 WALL (F)	12	N/A	105	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1/2 WALL (G)	2	N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A



R. CUSANO
11/7/91
Unit II - Shower Roof Top
Meter/Probe #S=84465 - 080919 All Reading are DPM/100 Cm^2.
Meter/Probe # = 080909

▭ = Beta

○ = Alpha

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 11/9/91	Counted By/Date:	R. CUSANO / 11/9/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

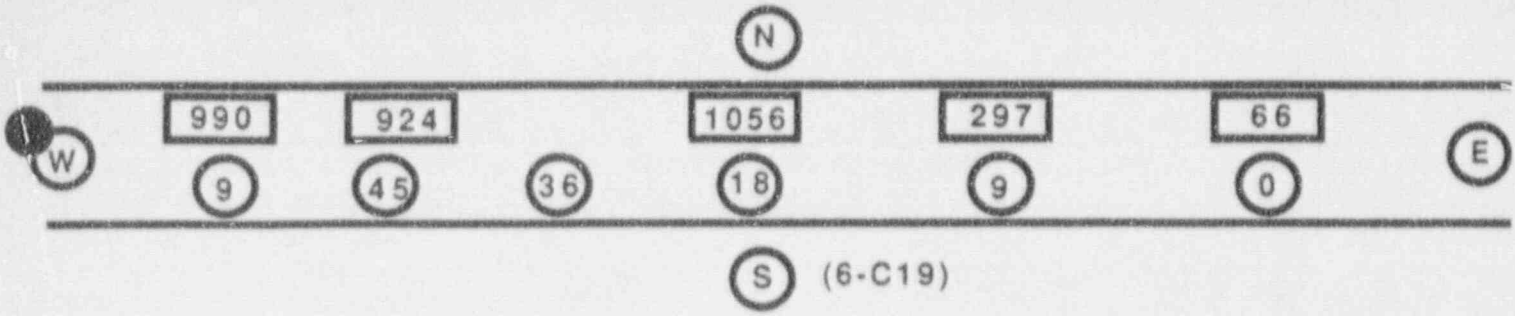
SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RAC	11/7/91	844484	'080909	2	23	8.7	1/12/92	x	
Beta/Gamma	RAC	11/7/91	84465	'080919	49	20	32.3	2/6/92	x	
Micro R										

* Background for meters taken in non-fuel area.

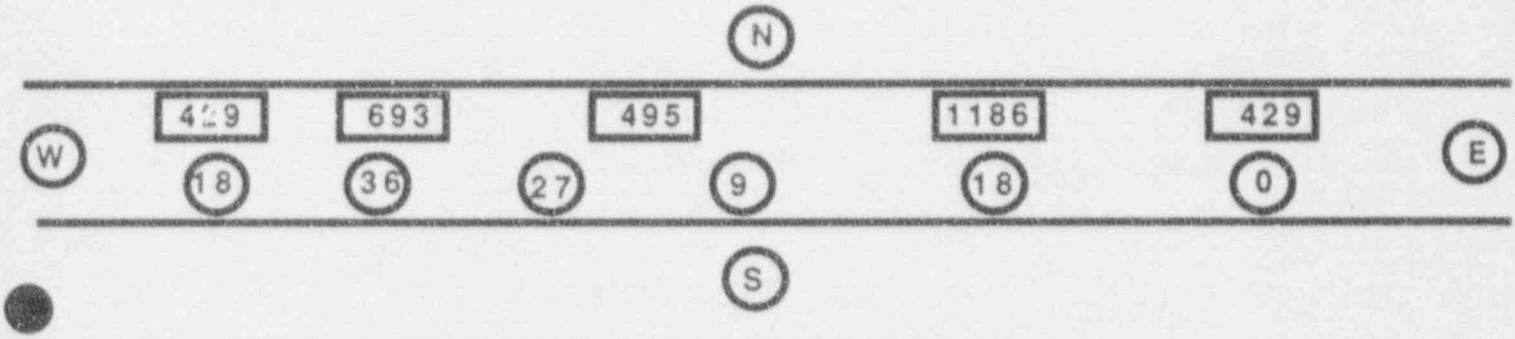
Area UNIT II LOCKER ROOM

Description: SHOWER ROOF TOP

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
TOP OF SHOWER ROOF	4	60	17	355	N/A	N/A	0	0	0	0
TOP OF SHOWER ROOF (B)	4	60	17	355	N/A	N/A	0	1	0	0
TOP OF SHOWER ROOF (C)	5	64	26	484	N/A	N/A	0	1	0	0
TOP OF SHOWER ROOF (D)	3	70	9	677	N/A	N/A	0	0	0	0
TOP OF SHOWER ROOF (E)	7	60	43	355	N/A	N/A	0	2	0	1
TOP OF SHOWER ROOF (F)	8	86	52	1194	N/A	N/A	0	0	0	0
TOP OF SHOWER ROOF (G)	4	82	17	1065	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (H)	5	79	26	968	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (I)	13	64	96	484	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (J)	6	91	35	1355	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (K)	3	72	9	742	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (L)	5	58	26	290	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (M)	5	59	26	323	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOM (N)	9	55	61	194	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (O)	3	53	9	129	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (P)	2	82	0	1065	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (A)	6	81	35	1032	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (R)	11	98	78	1581	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF SHOWER ROOF (S)	5	56	26	226	N/A	N/A	N/A	N/A	N/A	N/A
SMALL ARCH BTWN SHOWER & WA	2	8	0	0	N/A	N/A	0	0	0	0



1/2 WALLS BETWEEN CONTROL ROOM AND SAC ROOM



1/2 WALL BETWEEN SAC ROOM AND SMALL HALL

(SOUTH END OF AREA 206)

R. CUSANO
11/7/91
Unit II 1/2 Walls (Tops)
84465 - 080919
84484 - 080909

All readings DPM/100 CM.^{2}

○ ALPHA

▭ BETA

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 11/7/91	Counted By/Date:	R. CUSANO / 11/7/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RAC	11/7/91	84484	'080908	2	23	8.7	1/30/92	x	
Beta/Gamma	RAC	11/7/91	84468	'080919	49	20	32.3	2/6/92	x	
Micro R										

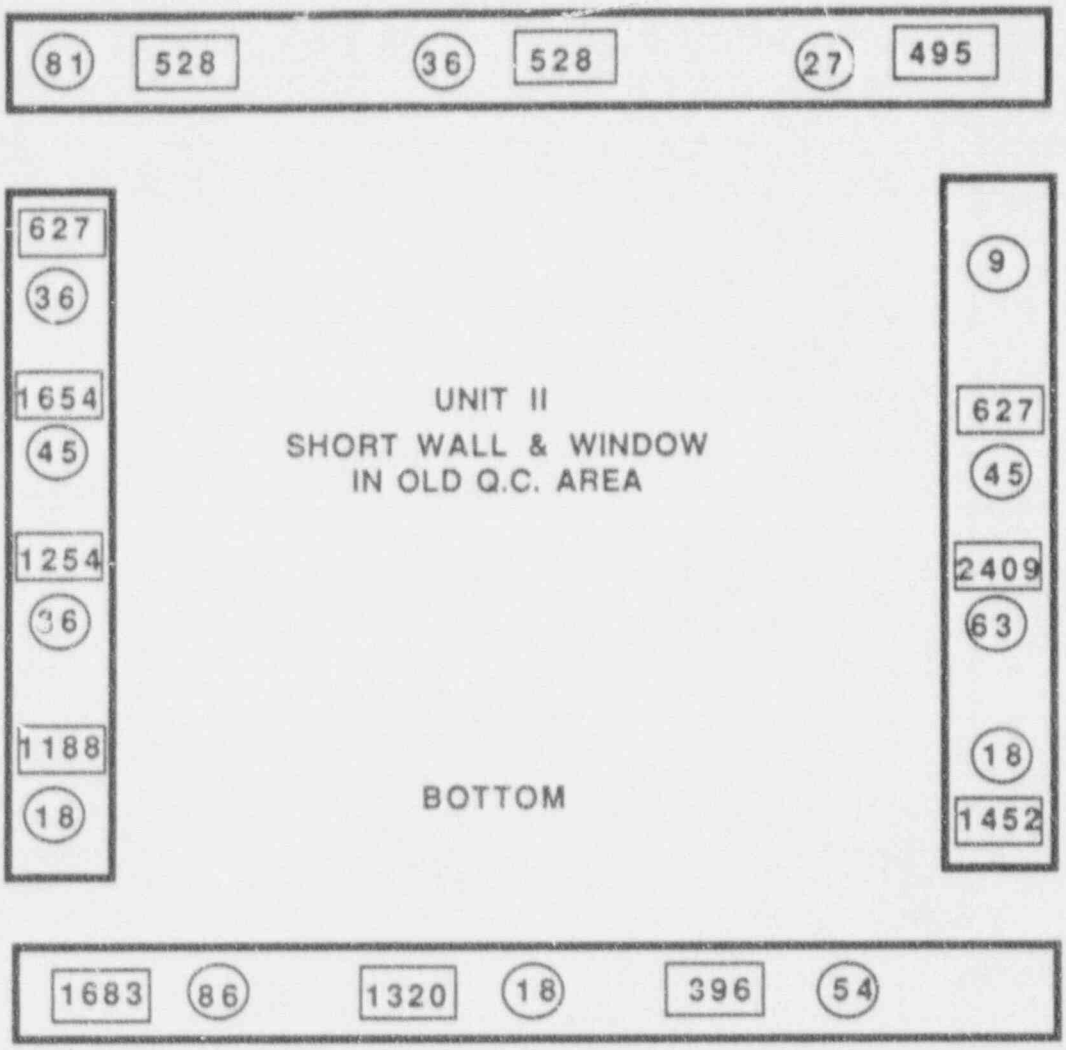
* Background for meters taken in non-fuel area.

Area UNIT II

Description: 1/2 WALL BEWETTN CONTROL ROOM AND 1/2 WALL BETWEEN SAC ROOM AND SMALL HALL

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
1/2 WALL CONT. RM./SAC ROOM	1	30	0	0	N/A	N/A	0	0	0	0
1/2 WAL CONT. RM/SAC RM(B)	5	28	26	0	N/A	N/A	0	0	0	0
1/2 WALL CONT. RM/SAC RM(C)	4	32	17	0	N/A	N/A	0	1	0	0
1/2 WALL CONT. RM/SAC RM(D)	2	9	0	0	N/A	N/A	N/A	N/A	N/A	N/A
1/2 WALL CONT. RM/SAC RM(E)	1	3	0	0	N/A	N/A	N/A	N/A	N/A	N/A
1/2 WALL SAC RM/SMALL HALL(A)	2	13	0	0	N/A	N/A	0	1	0	0
1/2 WALL SAC RM/SMALL HALL(B)	4	21	17	0	N/A	N/A	0	2	0	1
1/2 WALL SAC RM/SMALL HALL (C)	3	15	9	0	N/A	N/A	0	1	0	0
1/2 WALL SAC RM/SMALL HALL (D)	1	36	0	0	N/A	N/A	N/A	N/A	N/A	N/A
1/2 WALL SAC RM/SMALL HALL (E)	2	13	0	0	N/A	N/A	N/A	N/A	N/A	N/A

TOP OF WINDOW



TOP OF WALL ABOVE WINDOW

R. CUSANO
11/8/91

READINGS ARE IN DPM/100 CM^2

BETA - 84465 - 080919 - ▭

ALPHA - 84441 - 080916 - ◯

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 11/8/91	Counted By/Date:	R. CUSANO / 11/8/91

Counter Number:	T-3	Efficiency Factor:	Alpha	Beta/Gamma	Background:	Alpha	Beta/Gamma

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RAC	11/9/91	84441	'080916	1	22	9.1	1/30/92	x	
Beta/Gamma	RAC	11/8/91	84465	'080919	50	20	32.3	2/6/92	x	
Micro R										

* Background for meters taken in non-fuel area.

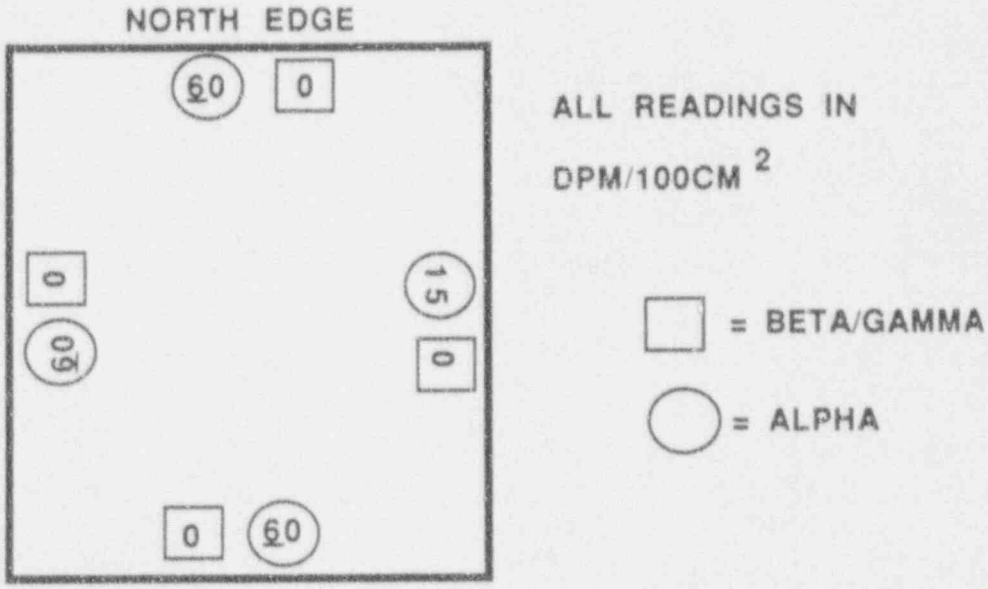
Area UNIT II SHORT WALL & WINDOW OLD Q.C. AREA

Description: TOP OF WALL & INSIDE FRAME OF WINDOW

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
TOP FRAME OF WINDOW (A)	9	16	73	0	N/A	N/A	0	2	0	1
TOP OF FRAME OF WINDOW (B)	4	16	27	0	N/A	N/A	0	0	0	0
TOP FRAME OF WINDOW (C)	3	15	18	0	N/A	N/A	N/A	N/A	N/A	N/A
EAST WINDOW FRAME	4	2	27	0	N/A	N/A	0	0	0	0
EAST WINDOW FRAME (B)	5	5	36	0	N/A	N/A	0	0	0	0
EAST WINDOW FRAME (C)	4	38	27	0	N/A	N/A	N/A	N/A	N/A	N/A
EAST WINDOW FRAME (D)	2	36	9	0	N/A	N/A	N/A	N/A	N/A	N/A
WEST WINDOW FRAME (A)	1	19	0	0	N/A	N/A	0	0	0	0
WEST WINDOW FRAME (B)	5	73	36	742	N/A	N/A	0	0	0	0
WEST WINDOW FRAME (C)	7	N/A	55	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WEST WINDOW FRAME (D)	2	44	9	0	N/A	N/A	N/A	N/A	N/A	N/A
BOTTOM WINDOW FRAME (A)	4	51	27	32	N/A	N/A	1	0	3	0
BOTTOM WINDOW FRAME (B)	2	40	9	0	N/A	N/A	1	2	3	1
BOTTOM WINDOW FRAME (C)	6	12	45	0	N/A	N/A	0	2	0	1
TOP OF WALL ABV WIND (A)	10	32	82	0	N/A	N/A	1	0	3	0
TOP OF WALL (B)	6	22	45	0	N/A	N/A	0	0	0	0
TOP OF WALL (C)	8	19	64	0	N/A	N/A	0	1	0	0
TOP OF WALL (D)	4	26	27	0	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF WALL (E)	90	18	809	0	N/A	N/A	N/A	N/A	N/A	N/A

AREA 206
DUCTING PENETRATION THROUGH ROOF
(Ducting Removed)

November 8, 1991



METERS USED:

ALPHA	BETA/GAMMA
METER #84735	METER #84486
PROBE #80915	PROBE #68863
BKG. = 5	BKG. = 57
EFF. = 28%	EFF. = 20%
CAL. DUE = 1/2/92	CAL. DUE = 2/1/92
SOURCH CHECK = SAT.	SOURCE CHECK = SAT.

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. PIETRAS / 11-8-91	Counted By/Date:	R. PIETRAS / 11-8-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.6	Beta/Gamma 2.3

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RP	11-8-91	84735	'080915	5	14	14.3	1/29/92	x	
Beta/Gamma	RP	11-8-91	84486	'068863	57	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel arsa.

Area U2 ROOF PENETRATION BETWEEN SAC ROOM AND SOUTH WALL

Description: INSIDE SURFACE OF PENETRATION

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
NORTH SIDE	9	57	57	0	N/A	N/A	0	1	0	0
EAST SIDE	6	57	14	0	N/A	N/A	0	1	0	0
SOUTH SIDE	9	57	57	0	N/A	N/A	2	0	5	0
WEST SIDE	9	57	57	0	N/A	N/A	1	0	1	0

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	B. PIETRAS / 11-8-91	Counted By/Date:	B. PIETRAS / 11-8-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.6	Beta/Gamma 2.3

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RDP	11-8-91	84735	'080915	5	28	7.1	1/29/92	x	
Beta/Gamma	RDP	11-8-91	84486	'068863	57	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area UNIT 2 AREA 206

Description: ROOF PENETRATION

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
NORTH SIDE	9	57	29	0	N/A	N/A	0	1	0	0
EAST SIDE	6	57	7	0	N/A	N/A	0	1	0	0
SOUTH SIDE	9	57	29	0	N/A	N/A	2	0	5	0
WEST SIDE	9	57	29	0	N/A	N/A	1	0	1	0

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	G. PARTELO / 11-7-91	Counted By/Date:	T. PROSPERT / 11-7-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	GP	11-7-91	84441	'080916	1	22	9.1	1/30/92	x	
Beta/Gamma	GP	11-7-91	84486	'068863	53	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area U2 AREA 206

Description: LOCKER ROOM EXHAUST VENT HOLE 9348

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
LOCKER ROOM 9348	1	53	0	0	N/A	N/A	2	5	6	9

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	G. PARTELO / 11-6-91	Counted By/Date:	T. PROSPERT / 11-7-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff (%)	Multi Factor	Cal. Due	Source Check	
Alpha	GP	11-6-91	84441	'080916	2	22	9.1	1/30/92	x	
Beta/Gamma	GP	11-6-91	84486	'068863	50	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area U2 ROOF HOLES AREA 204

Description: U2 ARGON ROOM VENT HOLE, EXHAUST #9359

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
ARGON RM 10359A	2	50	0	0	N/A	N/A	0	2	0	1
ARGON RM 10359B	2	50	0	0	N/A	N/A	1	2	3	1

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	S. SZELAG / 11-6-91	Counted By/Date:	S. SZELAG / 11-7-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check	
Alpha	SS	11-6-91	84735	'080915	5	28	7.1	1/29/92	x	
Beta/Gamma	SS	11-6-91	A293R	'7955	49	25	25.8	12/14/91	x	
Micro R										

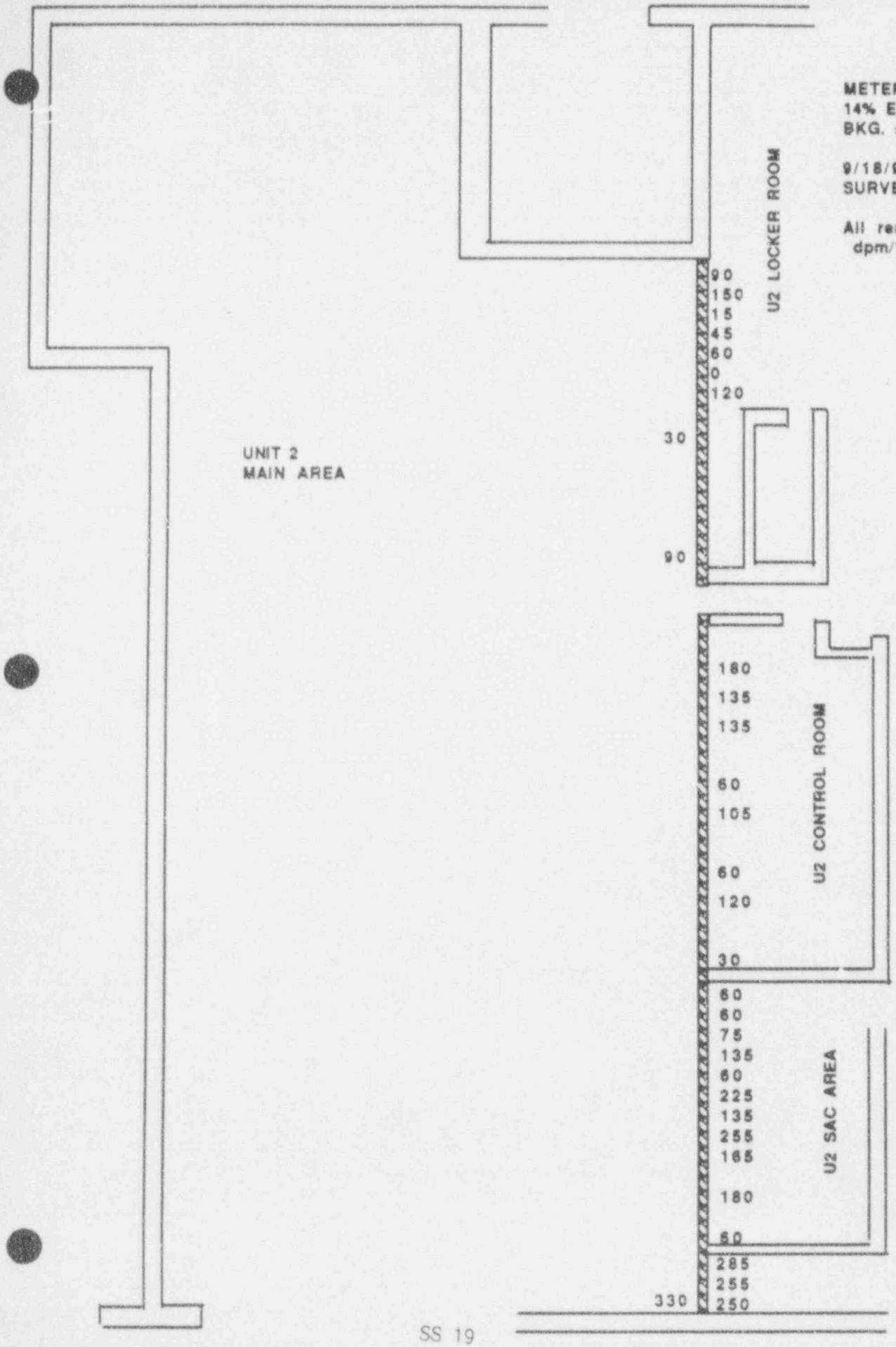
* Background for meters taken in non-fuel area.

Area U2 SAC ROOM EAST WALL (AREA #206)

Description: AIR DUCT TO A-MEZZ SECRET ROOM (EQUIPMENT #9364)

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
BOTTOM OUTSIDE A	5	54	0	129	N/A	N/A	0	0	0	0
BOTTOM OUTSIDE B	5	49	0	0	N/A	N/A	0	0	0	0
LEFT SIDE	6	49	7	0	N/A	N/A	0	0	0	0
RIGHT SIDE	10	49	36	0	N/A	N/A	0	0	0	0
TOP OUTSIDE	8	49	21	0	N/A	N/A	0	2	0	1
TOP OUTSIDE B	5	49	0	0	N/A	N/A	0	1	0	0
INSIDE BOTTOM A	13	49	57	0	N/A	N/A	1	1	3	0
INSIDE BOTTOM B	5	49	0	0	N/A	N/A	1	1	3	0
INSIDE BOTTOM C	8	49	21	0	N/A	N/A	0	1	0	0
INSIDE BOTTOM D	8	49	21	0	N/A	N/A	1	0	3	0
LEFT INSIDE	5	49	0	0	N/A	N/A	0	1	0	0
RIGHT INSIDE	7	49	14	0	N/A	N/A	0	2	0	1
BACK INSIDE	5	49	0	0	N/A	N/A	0	1	0	0
BACK INSIDE *	9	49	29	0	N/A	N/A	0	4	0	6
TOP INSIDE A	8	49	21	0	N/A	N/A	1	1	3	0
TOP INSIDE B	5	49	0	0	N/A	N/A	0	2	0	1
IN RIDGE	6	49	7	0	N/A	N/A	0	1	0	0
OUT DUCT TOP	8	49	21	0	N/A	N/A	1	0	3	0

SURVEY OF TOP SURFACE OF SHORT WALL U2 (AREA #206)



UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/11/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check Sat	Source Check Unsat
Alpha	JRM	12/11/91	84738	080915	1	14	14.286	1/28/92	x	
Beta/Gamma	JRM	12/11/91	84498	080907	46	19	33.956	2/4/92	x	
Micro R			micro-R meter		0					

* Background for meters taken in non-fuel area.

Area UNIT II ARGON ROOM

Description: PIPE #1

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
PIPE 1	4	59	43	441	N/A	N/A	1	0	0	0
PIPE 1-A	7	45	86	0	N/A	N/A	2	1	2	0
PIPE 1-B	7	44	86	0	N/A	N/A	6	2	16	2
PIPE 1-C	3	44	29	0	N/A	N/A	4	7	9	19
PIPE 1-D	3	45	29	0	N/A	N/A	2	2	2	2

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HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/11/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff.(%)	Mult.Factor	Cal. Due	Source Check Sat	Source Check Unsat
Alpha	JRM	12/11/91	84735	080915	1	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/11/91	84498	080907	4.6	1.9	33.956	1/28/92	x	
Micro R			micro-R meter		0					

* Background for meters taken in non-fuel area

Area UNIT II ARGON ROOM

Description: PIPE #2

OBJECT or AREA	FIXED Raw CPM ALPHA	FIXED Raw CPM BETA/GAMMA	FIXED DPM/100 cm2 ALPHA	FIXED DPM/100 cm2 BETA/GAMMA	FIXED Micro R/hr RAW	FIXED Micro R/hr CORRECTED	REMOVABLE Raw CPM ALPHA	REMOVABLE Raw CPM BETA-GAMMA	REMOVABLE DPM/100 cm2 ALPHA	REMOVABLE DPM/100 cm2 BETA-GAMMA
PIPE 2	3	45	29	0	N/A	N/A	3	2	5	2
PIPE 2-A	2	46	14	0	N/A	N/A	4	3	9	5
PIPE 2-B	1	45	0	0	N/A	N/A	1	1	0	0
PIPE 2-C	1	45	0	0	N/A	N/A	1	1	0	0
PIPE 2-D	1	52	0	204	N/A	N/A	1	4	0	9

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/11/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check Set	Source Check Unsat
Alpha	JRM	12/11/91	84735	080915	1	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/11/91	84498	080907	4.6	1.9	33.956	2/4/92	x	
Micro R			micro-R meter		0					

* Background for meters taken in non-fuel area.

Area: UNIT II ARGON ROOM

Description: TRUSS #1

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
TRUSS-1	3	60	29	475	N/A	N/A	2	5	2	12
TRUSS 1-A	0	0	0	0	N/A	N/A	1	4	0	9
TRUSS 1-B	11	51	143	170	N/A	N/A	1	3	0	5
TRUSS 1-C	0	45	0	0	N/A	N/A	3	1	5	0
TRUSS 1-D	2	45	14	0	N/A	N/A	1	3	0	5

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/12/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check Sat	Source Check Unsat
Alpha	JRM	12/12/91	84735	'080915	2	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/12/91	84498	'080907	5.1	1.9	33.956	2/4/92	x	
Micro R			micro-R meter		0					

* Background for meter: taken in non-fuel area.

Area UNIT II ARGON ROOM

Description: TRUSS #2

OBJECT or AREA	FIXED Raw CPM ALPHA	FIXED Raw CPM BETA/GAMMA	FIXED DPM/100 cm2 ALPHA	FIXED DPM/100 cm2 BETA/GAMMA	FIXED Micro R/hr RAW	FIXED Micro R/hr CORRECTED	REMOVABLE Raw CPM ALPHA	REMOVABLE Raw CPM BETA-GAMMA	REMOVABLE DPM/100 cm2 ALPHA	REMOVABLE DPM/100 cm2 BETA-GAMMA
TRUSS 2	3	54	14	102	N/A	N/A	4	8	9	23
TRUSS 2-A	2	50	0	0	N/A	N/A	1	3	0	5
TRUCC 2-B	4	50	29	0	N/A	N/A	2	0	2	0
TRUSS 2-C	2	50	0	0	N/A	N/A	1	3	0	5
TRUSS 2-D	2	51	0	0	N/A	N/A	1	3	0	5

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/11/91	Counted By/Date:	JOHN MURPHY / 12/11/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check Sat	Source Check Unsat
Alpha	JRM	12/11	84715	'080915	1	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/11	84498	'080907	4.6	1.9	33.956	2/4/92	x	
Micro R			micro R meter		0					

* Background for meters taken in non-fuel area.

Area UNIT II ARGON ROOM

Description: CROSS MEMBER #1

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
X-MEM 1	1	45	0	0	N/A	N/A	0	4	0	9
X-MEM 1A	1	45	0	0	N/A	N/A	1	2	0	2
X-MEM 1B	1	45	0	0	N/A	N/A	1	2	0	2
X-MEM 1C	1	45	0	0	N/A	N/A	5	1	12	0
X-MEM 1D	1	45	0	0	N/A	N/A	2	7	2	19

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/11/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe SN	Bkgd. *	Eff (%)	Multi Factor	Cal. Due	Source Check Set	Source Check Unset
Alpha	JRM	12/11/91	84735	080915	1	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/11/91	84498	080907	4.6	1.9	33.956	2/4/92	x	
Micro R			micro-R meter		0					

* Background for meters taken in non-fuel area.

Area UNIT II ARGON ROOM

Description: CROSS MEMBER #2

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
X-MEM 2	4	60	43	475	N/A	N/A	1	4	0	9
X-MEM 2A	3	55	29	306	N/A	N/A	2	2	2	2
X-MEM 2B	4	45	43	0	N/A	N/A	5	3	12	5
X-MEM 2C	5	45	57	0	N/A	N/A	4	5	9	12
X-MEM 2D	2	45	14	0	N/A	N/A	2	2	2	2

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	JOHN MURPHY / 12/12/91	Counted By/Date:	JOHN MURPHY / 12/12/91

Counter Number:	T-1	Efficiency Factor:	Alpha 0.284	Beta/Gamma 0.401	Background:	Alpha 1.5	Beta/Gamma 1.5

SURVEY	Initials	Date	Instrument	Probe S/N	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check Sat	Source Check Unsat
Alpha	JRM	12/12/91	84735	080915	2	1.4	14.286	1/28/92	x	
Beta/Gamma	JRM	12/12/91	84498	080907	5.1	1.9	33.956	2/4/92	x	
Micro R			micro-R meter		0					

* Background for meters taken in non-fuel area.

Area: UNIT II ARGON ROOM

Description: CROSS MEMBER #3

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
X MEM 3	2	50	0	0	N/A	N/A	6	2	16	2
X MEM 3A	3	50	14	0	N/A	N/A	5	3	12	5
X MEM 3B	3	50	14	0	N/A	N/A	7	4	19	9
X MEM 3C	2	50	0	0	N/A	N/A	5	0	12	0
X MEM 3D	2	51	0	0	N/A	N/A	3	3	5	5

PAINT SAMPLES

CEP WORK ORDER NO:

90-11-174

UNIT 2

WALL

PAINT CHIPS

CEP WORK ORDER NO: 90-11-174

DATE RECEIVED: 11/08/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
B4	4.68	1.1 ± 0.8	2.7 ± 1.7
D36B	4.35	<0.4	2.2 ± 1.6
F24A	4.48	<0.4	4.4 ± 0.9
F28A	4.67	<0.5	5.1 ± 0.9
H36A	4.39	1.6 ± 1.0	2.7 ± 0.9
H36B	3.17	<0.5	2.7 ± 0.9
J5	4.41	<0.4	2.2 ± 0.9
J36A	4.56	1.3 ± 1.0	5.3 ± 1.8
J36B	2.92	<0.4	<0.3
M2A	3.87	<0.5	<0.5
N2B	2.97	<0.5	4.4 ± 1.9
O1	3.37	<0.6	2.0 ± 0.8
P1	3.24	<0.5	<0.3
P2	1.43	<0.5	<0.8
Q1	1.00	<0.5	2.0 ± 0.8
Q2	0.84	<0.5	2.2 ± 1.0
Q9	2.04	<0.3	29.1 ± 3.3
Q10	1.41	<0.5	<0.5
Q11	2.36	<0.5	7.3 ± 2.2
Q14B	2.07	<0.5	1.8 ± 0.8

QA DATA

FOR

CEP WORK ORDER NO:

90-11-174

PAINT CHIPS

CEP WORK ORDER NO: 90-11-174

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.79 ± 1.13 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	14.49 ± 1.13 pCi

Gross Beta:

ILS Known Value	43.73 ± 2.13 pCi
Technician Value	46.10 ± 1.76 pCi
ILS Known Value	43.73 ± 2.13 pCi
Technician Value	43.03 ± 1.70 pCi

CEP WORK ORDER NO:

90-11-175

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-175

DATE RECEIVED: 11/08/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Q16A	3.65	2.7 ± 0.7	7.5 ± 2.0
Q17A	4.50	1.6 ± 1.2	3.1 ± 0.8
Q24B	2.05	<0.4	2.7 ± 0.8
Q26A	3.02	2.0 ± 0.7	14.4 ± 2.4
Q26B	2.33	<0.4	4.4 ± 1.6
Q30A	3.15	2.9 ± 1.4	4.4 ± 1.6
Q30B	3.63	3.1 ± 1.4	5.6 ± 1.8
Q31A	4.69	2.0 ± 1.4	3.3 ± 1.6
Q31B	6.12	<0.5	1.8 ± 0.7
Q32B	3.72	<0.5	1.8 ± 0.7
Q34B	3.46	2.0 ± 0.7	4.0 ± 1.8
R7	2.05	<0.5	3.3 ± 0.9
R8A	2.71	<0.5	5.8 ± 2.0
R9	2.50	<0.5	<0.4
R10	1.87	<0.5	2.9 ± 0.9
R16	3.82	<0.5	2.2 ± 0.9
R19	4.36	2.7 ± 1.6	5.8 ± 2.0
S6	2.94	<0.5	<0.3
U14	0.52	<0.9	<0.7
V17A	3.26	<0.5	2.9 ± 0.9

QA DATA

FOR

CEP WORK ORDER NO:

90-11-175

PAINT CHIPS

CEP WORK ORDER NO: 90-11-175

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.90 ± 1.14 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	14.33 ± 1.13 pCi

Gross Beta:

ILS Known Value	43.73 ± 2.13 pCi
Technician Value	45.36 ± 2.43 pCi
ILS Known Value	43.73 ± 2.13 pCi
Technician Value	41.74 ± 1.87 pCi

CEP WORK ORDER NO:

90-11-467

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-467

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 1:			
A11	2.78		
A12B	2.92		
B11	2.12		
B12B	2.03		
Group 1, A11 - B12B		1.8 ± 1.0	2.2 ± 1.0
Group 2:			
A17B	5.51		
A18	5.38		
B17B	3.89		
B18	1.85		
Group 2, A17B - B118		1.6 ± 1.0	2.0 ± 1.0
Group 3:			
A28B	2.16		
B28	3.38		
A30B	1.79		
A31B	1.75		
Group 3, A28B - A31B		2.0 ± 1.0	2.2 ± 1.0
Group 4:			
B3B	4.55		
B4B	4.92		
B5B	5.19		
B3O	2.63		
Group 4, B3B - B30		1.6 ± 1.0	2.2 ± 1.0

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PAINT CHIPS - Page 2

CEP WORK ORDER NO: 90-11-467

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 5:			
C3	3.83		
C4	4.47		
C5	4.81		
B31	1.63		
Group 5, C3 - B31		1.6 ± 1.0	2.2 ± 1.0
Group 6:			
C36B	1.26		
D36A	5.18		
E36B	4.38		
Group 6, C36 - E36B		1.8 ± 1.0	2.2 ± 1.0
Group 7:			
C37	5.34		
D37	6.66		
E37	3.87		
Group 7, C37 - E37		1.6 ± 1.0	2.0 ± 1.0
Group 8:			
F36B	4.03		
G36B	2.62		
I36B	3.05		
Group 8, F36 - I36B		1.6 ± 1.0	2.0 ± 1.0

PAINT CHIPS - Page 3

CEP WORK ORDER NO: 90-11-467

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 9:			
K36B	3.53		
L36B	2.87		
M36B	0.60		
Group 9, K36 - M36B		1.3 ± 1.0	2.0 ± 1.0
Group 10:			
K37	3.64		
L37	1.18		
M37	1.31		
Group 10, K3 - M37		1.6 ± 1.0	2.2 ± 1.0
Group 11:			
03-6B	1.52		
P3-6B	2.94		
037	2.05		
P37	2.48		
Group 11, 036B - P37		1.3 ± 1.0	4.0 ± 2.2
Group 12:			
F6B	3.63		
F7B	4.28		
F8B	5.15		
Group 12, F6 - F8B		1.6 ± 1.0	2.0 ± 1.0

QA DATA

FOR

CEP WORK ORDER NO:

90-11-467

PAINT CHIPS

CEP WORK ORDER NO: 90-11-467

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	17.28 ± 1.23 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	16.47 ± 1.20 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	15.20 ± 1.20 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technician Value	13.90 ± 1.20 pCi

Gross Beta:

ILS Known Value	43.73 ± 1.01 pCi
Technician Value	47.82 ± 1.99 pCi
ILS Known Value	43.73 ± 1.01 pCi
Technician Value	47.49 ± 1.96 pCi
ILS Known Value	43.73 ± 1.01 pCi
Technician Value	45.30 ± 1.80 pCi
ILS Known Value	43.73 ± 1.01 pCi
Technician Value	46.30 ± 1.80 pCi

CEP WORK ORDER NO:

90-11-468

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-468

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 13:			
E6	5.08		
E7	3.04		
E8	4.01		
Group 13, E6 - E8		1.6 ± 1.0	2.2 ± 1.0
Group 14:			
F9	3.12		
F10	5.32		
F11	4.78		
Group 14, F9 - F11		1.6 ± 1.0	2.0 ± 1.0
Croup 15:			
E9	4.26		
E10	4.88		
E11	3.54		
Group 15, E9 - E11		1.8 ± 1.0	2.0 ± 1.0
Group 16:			
F1-2B	3.90		
F1-3B	4.38		
F1-4B	6.12		
Group 16, F1-F-4B		1.3 ± 1.0	2.0 ± 1.0
Group 17:			
E12	3.29		
E13	4.91		
E14	5.28		
Group 17, E1 - E14		1.6 ± 1.0	2.0 ± 1.0

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 90-11-468

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 18:			
F1-6B	3.76		
F1-7B	2.77		
F1-8B	3.35		
Group 18, F1-6B - F1-8B		1.6 ± 1.0	2.0 ± 1.0
Group 19:			
E16	5.13		
E17	1.93		
E18	4.25		
Group 19, E1 - E18		1.6 ± 1.0	2.0 ± 1.0
Group 21:			
R24	3.74		
R25	3.41		
R26	3.72		
Group 21, R24 - R26		1.6 ± 1.0	2.0 ± 1.0
Group 22:			
R27	1.29		
R28	2.21		
R29	1.29		
Group 22, R21;7 - R29		1.6 ± 1.0	2.0 ± 1.0
Group 23:			
R30	6.30		
R31	3.60		
R32	3.57		
Group 23, R30 - R32		2.0 ± 1.0	2.0 ± 1.0

PAINT CHIPS - Page 3

CEP WORK ORDER NO: 90-11-468

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 24:			
R33	2.59		
R34	2.61		
R35	1.64		
Group 24, R33 - R35		1.6 ± 1.0	2.2 ± 1.0
Group 25:			
Q2-5A	3.16		
Q2-7A	3.06		
Q2-8A	2.34		
Q2-5B	3.31		
Q2-7B	2.53		
Q2-8B	1.89		
Group 25, Q2-5A - Q2-8B		1.6 ± 1.0	2.0 ± 1.0
Group 26:			
Q2-9A	1.73		
Q3-3A	2.51		
Q3-5A	3.67		
Group 26, Q2-9A - Q3-5A		1.6 ± 1.0	2.0 ± 1.0

QA DATA

FOR

CEP WORK ORDER NO:

90-11-468

UNIT II
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-468

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.88 ± 1.16 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	15.93 ± 1.21 pCi

Gross Beta:

ILS Known Value	43.62 ± 1.01 pCi
Technician Value	42.57 ± 1.89 pCi
ILS Known Value	43.62 ± 1.01 pCi
Technician Value	45.69 ± 1.97 pCi

CEP WORK ORDER NO:

90-11-469

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-469
DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 27:			
R11	1.67		
R12	2.01		
R13	1.37		
Group 27, R11 - R13		1.6 ± 0.9	2.5 ± 1.0
Group 28:			
R14	1.45		
R15	1.61		
R17	6.54		
Group 28, R14 - R17		<0.6	1.4 ± 0.9
Group 29:			
R22	4.04		
R23	3.76		
R3	1.60		
Group 29, R22 - R3		<0.6	2.5 ± 1.0
Group 30:			
R4	0.98		
R5	2.29		
R6	1.50		
Group 30, R4 - R6		<0.5	2.6 ± 1.0
Group 31:			
Q1-3B	2.38		
Q1-2A	2.01		
Q1-5B	1.74		
Q1-8B	4.42		
Group 31, Q1-3B - Q1-8B		2.0 ± 1.9	2.7 ± 1.0

PAINT CHIPS -Page 2
CEP WORK ORDER NO: 90-11-469
DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 32:			
Q1-9A	1.66		
Q1-0A	3.23		
Q2-1B	3.15		
Group 32, Q1-9A - Q2-1B		3.3 ± 2.0	2.7 ± 1.0
Group 33:			
Q2-1A	3.70		
Q2-2B	2.26		
Q2-3A	3.77		
Group 33, Q2-1A - Q2-3A		<0.5	<0.9
Group 34:			
F2-3B	5.24		
F25A	4.83		
F2-6A	3.79		
Group 34, F2-3B - F2-6A		<0.5	<0.9
Group 35:			
E23	2.72		
E24	2.31		
E26	5.47		
Group 35, E23 - E24		<0.5	<0.9
Group 36:			
H4	5.21		
I4	2.19		
J4	5.08		
Group 36, H4 - J4		>0.5	>0.9

PAINT CHIPS - Page 3
CEP WORK ORDER NO: 90-11-469
DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 37:			
G5B	3.28		
H5B	3.14		
I5A	2.84		
Group 37, G5B - I5A		2.5 ± 1.5	8.8 ± 2.3
Group 38:			
F2-9B	1.31		
F3-0B	2.36		
F3-1B	4.95		
Group 38, F2-9B - F3-1B		<0.8	3.4 ± 2.0
Group 39:			
F3-2A	3.80		
F3-3A	3.39		
F37	5.67		
Group 39, F3-2A - F37		<0.6	4.7 ± 2.1
Group 40:			
F1-5B	3.44		
E15	4.04		
E28	6.03		
Group 40, F1-5B - E28		1.2 ± 0.9	2.1 ± 1.9

QA DATA

FOR

CEP WORK ORDER NO:

90-11-469

PAINT CHIPS

CEP WORK ORDER NO: 91-11-469

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.38 ± 1.02 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	19.43 ± 1.80 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	41.97 ± 1.76 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	42.96 ± 1.52 pCi

CEP WORK ORDER NO:

90-11-470

UNIT II
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-470

DATE RECEIVED. 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 41:			
E29	1.18		
E30	1.65		
E31	4.58		
Group 41, E29 - E31		1.8 ± 1.4	<0.9
Group 42:			
E32	2.43		
E33	3.63		
E6A	3.86		
Group 42, E32 - E6A		1.4 ± 0.9	2.0 ± 1.0
Group 43:			
K1	2.01		
K2A	2.34		
K2B	2.22		
Group 43, K1 - K2B		<0.5	<0.9
Group 44:			
K4	4.03		
K5A	3.00		
K5B	3.02		
Group 44, K4 - K5B		<0.5	<0.9

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 90-11-470

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 45:			
T1-0A	2.14		
T11	2.11		
T1-4A	1.68		
T15	4.72		
Group 45, T1-0A - T15		1.6 ± 0.9	>0.9
Group 46:			
V15	1.59		
V16	2.28		
V17B	1.86		
Group 46, V15 - V17B		<0.6	2.3 ± 1.0
Group 47:			
S3	2.54		
S4	2.03		
S5	2.99		
Group 47, S3 - S5		2.7 ± 1.7	<0.9
Group 48:			
S7	3.25		
S8	2.43		
S10	1.71		
S11	3.75		
Group 48, S7 - S11		1.4 ± 0.9	2.2 ± 0.9

PAINT CHIPS : Page 3

CEP WORK ORDER NO: 90-11-470
DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 49:			
V14	1.37		
V15	1.66		
V16	3.06		
Group 49, V13 - V16		1.4 ± 0.9	2.1 ± 0.9
Group 50:			
Z11B	3.16		
Z12B	3.20		
J37	4.16		
Group 50, Z11B - J37		1.3 ± 0.9	2.1 ± 1.0
Group 51:			
N1	3.25		
N3-6A	1.59		
N37	1.06		
Group 51, N1 - N37		1.4 ± 0.9	2.0 ± 0.9
Group 55:			
G4	2.28		
G5A	2.89		
G37	2.42		
Group 55, G4 - G37		1.4 ± 0.7	4.0 ± 2.3
Group 56:			
H37	3.36		
I37	3.95		
O2A	2.12		
Group 56, H37 - 02A		1.5 ± 0.9	4.2 ± 2.3

QA DATA

FOR

CEP WORK ORDER NO:

90-11-470

PAINT CHIPS

CEP WORK ORDER NO: 90-11-470

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.82 ± 1.14 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	12.30 ± 1.06 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	41.34 ± 1.72 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	37.51 ± 1.63 pCi

CEP WORK ORDER NO:

90-11-471

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-471

DATE RECEIVED: 11/26/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 56:			
L1	1.41		
L2B	1.47		
M1	3.78		
Group 56, L1 - M1		2.1 ± 1.7	2.3 ± 1.0
Group 57:			
T14	1.89		
T16	1.96		
T1-7A	1.35		
T1-7B	1.72		
Group 57, T14 - T17B		2.0 ± 1.7	4.4 ± 2.2
4R-18		1.2 ± 0.9	3.8 ± 2.2
4-R20		1.5 ± 0.9	4.8 ± 2.2
4-R21		<0.6	0.5

QA DATA

FOR

CEP WORK ORDER NO:

90-11-471

PAINT CHIPS

CEP WORK ORDER NO: 90-11-471

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	14.45 ± 1.13 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	45.42 ± 1.77 pCi

CEP WORK ORDER NO:

91-02-301

UNIT II
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 91-02-301

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 1:			
5C39	18.90		
5C40	12.39		
Group 1, 5C39 - 5C40		<0.6	<0.5
Group 2:			
5C41	15.63		
5C42	14.11		
Group 2, 5C41 - 5C42		<0.7	4.0 ± 3.3
Group 3:			
5C47	34.90		
5E49	4.70		
Group 3, 5C47 - 5E49		<0.6	<0.5
Group 4:			
5G42A	29.10		
5G43A	20.10		
5G44A	29.94		
Group 4, 5G42A - 5G44A		<0.6	<0.5
Group 5:			
5G45A	35.51		
5G46A	10.92		
5G47A	20.63		
Group 5, 5G45A - 5G47A		<0.7	<0.5

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 91-02-301

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 6:			
5G48A	20.41		
5G49	11.36		
5G49A	24.20		
Group 6, 5G48A - 5G49A		<0.6	<0.5
Group 7:			
6G20	38.72		
6G21	39.41		
Group 7, 6G20 - 6G21		<0.6	<0.5
Group 8:			
6G22	25.94		
6G23	28.45		
Group 8, 6G22 - 6G23		<0.7	3.1 ± 1.3
Group 9:			
6G24	48.78		
6H24	79.60		
6I24	38.34		
Group 9, 6G24 - 6I24		2.0 ± 1.8	5.1 ± 3.3
Group 10:			
6J20	48.67		
6J21	44.89		
6J22	29.60		
Group 10, 6J20 - 6J22		<0.7	<0.5

PAINT CHIPS - Page 3
CEP WORK ORDER NO: 91-02-301
DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 11:			
6J23	26.96		
6J24	26.18		
Group 11, 6J23 - 6J24		<0.4	<0.5
Group 12:			
24C33	42.58		
24C35	45.78		
Group 12, 24C33 - 24C35		<0.4	<0.5
Group 13:			
24D33	70.12		
24D35	30.58		
Group 13, 24D33 - 24D35		<0.5	<0.5
Group 14:			
24E33	44.09		
24E35	34.35		
Group 14, 24E33 - 24E35		2.7 ± 1.3	4.7 ± 2.9
Group 15:			
24F33	42.03		
24F35	24.88		
Group 15, 24F33 - 24F35		4.2 ± 1.6	8.7 ± 3.1
Group 16:			
24G6	17.76		
24G7	27.82		
24G8	27.42		
Group 16, 24G6 - 24G8		3.6 ± 1.6	6.0 ± 2.9

QA DATA

FOR

CEP WORK ORDER NO:

91-02-301

PAINT CHIPS

CEP WORK ORDER NO: 91-02-301

QA DATA

Gross Alpha:

ILS Known Value	15.83 ± 1.30 pCi
Technician Value	16.72 ± 1.90 pCi
ILS Known Value	15.83 ± 1.30 pCi
Technician Value	19.95 ± 1.90 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	42.75 ± 1.77 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	38.75 ± 1.81 pCi

CEP WORK ORDER NO:

91-02-302

UNIT II
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 91-02-302

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 17:			
24G9	28.57		
24G10	26.87		
24G11	26.70		
Group 17, 24G9 - 24G10		<0.4	<0.5
Group 18:			
24G12	27.47		
24G13	44.91		
24G14	43.57		
Group 18, 24G12 - 24G14		1.3 ± 1.1	<0.5
Group 19:			
24G35	24.15		
24H35	25.77		
Group 19, 24G35 - 24H35		2.9 ± 1.3	<0.5
Group 20:			
24H6	17.86		
24I6	23.70		
Group 20, 24H6 - 24I6		1.8 ± 1.3	<0.5
Group 21:			
24H18	50.71		
24I14	33.18		
Group 21, 24H18 - 24I14		1.8 ± 1.1	4.7 ± 2.9

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 91-02-302

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 22:			
24H20	28.12		
24I15	36.06		
Group 22, 24H20 - 24I15		2.4 ± 1.3	3.1 ± 2.2
Group 23:			
24H22	24.37		
24I16	20.56		
Group 23, 24H22 - 24I16		2.7 ± 1.3	3.1 ± 2.2
Group 24:			
24I35	26.65		
Group 24, 24I35		<0.4	<0.5
Group 25:			
24J6	17.45		
24J20	23.09		
Group 25, 24J6 - 24J20		1.3 ± 1.1	2.9 ± 2.2
Group 26:			
24J35	17.48		
24K3	18.09		
Group 26, 24J3 - 24K3		<0.5	<0.5
Group 27:			
24K4	23.65		
24K5	18.17		
Group 27, 24K4 - 24K5		<0.5	<0.5

PAINT CHIPS - Page 3

CEP WORK ORDER NO: 91-02-302

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 28:			
24K14	46.33	1.8 ± 1.1	<0.5
Group 29:			
24K6	26.27	1.8 ± 1.1	2.9 ± 2.2
Group 30:			
24K35	25.70	6.7 ± 1.8	3.3 ± 1.1
Group 31:			
24L3	17.14	2.4 ± 1.3	3.3 ± 1.1
Group 32:			
24L20	25.26	2.2 ± 0.2	8.0 ± 2.7
Group 33:			
24L35	20.31	<0.7	5.1 ± 2.7
Group 34:			
24M3	23.81		
24N3	22.13		
Group 34, 24M3 - 24N3		1.8 ± 1.6	3.1 ± 2.4
Group 35:			
24M14	45.27		
24M16	25.11		
Group 35, 24M14 - 24M16		4.2 ± 2.0	9.1 ± 2.9

PAINT CHIPS - Page 4

CEP WORK ORDER NO: 91-02-302

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 36:			
24N13	15.10		
24N18	33.42		
Group 36, 24N13 - 24N18		<0.7	3.8 ± 2.4
Group 37:			
24N20	24.17	2.9 ± 1.8	5.6 ± 2.7

QA DATA

FOR

CEP WORK ORDER NO:

91-02-302

PAINT CHIPS

CEP WORK ORDER NO: 91-02-302

QA DATA

Gross Alpha:

ILS Known Value	15.83 ± 1.30 pCi
Technician Value	14.95 ± 1.90 pCi
ILS Known Value	15.83 ± 1.30 pCi
Technician Value	15.74 ± 1.02 pCi
ILS Known Value	15.83 ± 1.30 pCi
Technician Value	14.62 ± 1.15 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	46.75 ± 1.81 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	44.27 ± 1.79 pCi
ILS Known Value	43.26 ± 1.81 pCi
Technician Value	49.24 ± 2.06 pCi

CEP WORK ORDER NO:

91-02-303

UNIT 2

Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 91-02-303

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 38:			
24O3	12.07		
24O13	11.58		
Group 38, 2403 - 24O13		<0.7	3.3 ± 2.4
Group 39:			
24P3	12.12	<0.7	3.1 ± 2.4
Group 40:			
24P8	6.40	<0.7	<0.5
Group 41:			
24P9	11.70	<0.6	<0.5
Group 42:			
24P10	10.54	<0.4	3.1 ± 2.7
Group 43:			
24P11	9.02	<0.5	<0.5
Group 44:			
24P12	10.04		
24P13	10.15		
Group 44, 24 P12 - P13		5.1 ± 1.8	2.4 ± 1.1

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 91-02-303

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 45:			
24P25	17.15		
24P26	21.77		
24P27	24.24		
Group 45, 24P25 - 24P27		2.4 ± 1.3	4.0 ± 2.7
Group 46:			
24P28	18.68		
24P29	16.53		
24P30	24.85		
Group 46, 24P28 - 24P30		2.4 ± 1.3	7.1 ± 2.9
Group 47:			
24P31	24.37		
24P32	29.65		
24P33	28.44		
24P34	31.43		
Group 47, 24P31 - 24P34		<0.5	2.6 ± 2.4
Group 48:			
24Q3	13.55		
24Q3A	13.75		
24Q4A	14.36		
Group 48, 24Q3 - 24Q4A		1.3 ± 1.1	3.1 ± 2.6
Group 49:			
24Q5A	11.61		
24Q6A	10.22		
24Q7A	8.24		
Group 49, 24Q5A - 24Q7A		1.8 ± 1.3	5.3 ± 2.7

PAINT CHIPS - Page 3

CEP WORK ORDER NO: 91-02-303

DATE RECEIVED: 02/15/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 50:			
24Q8	6.97		
24Q8A	8.32		
Group 50, 24Q8 - 24Q8A		1.8 ± 1.3	4.9 ± 2.7

QA DATA

FOR

CEP WORK ORDER NO:

91-02-303

PAINT CHIPS

CEP WORK ORDER NO: 91-02-303

QA DATA

Gross Alpha:

ILS Known Value	15.83 ± 1.30 pCi
Technician Value	14.62 ± 1.15 pCi
ILS Known Value	15.83 ± 1.30 pCi
Technician Value	12.74 ± 2.02 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	44.27 ± 1.79 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	49.24 ± 2.06 pCi

CEP WORK ORDER NO:

90-12-322

UNIT 2

PITS

PAINT CHIPS

CEP WORK ORDER NO: 90-12-322
DATE RECEIVED: 12/17/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
13-D-16A	6.57	6.66 ± 4.0	8.21 ± 5.1
13-D-18	3.26	4.0 ± 2.22	4.9 ± 2.22
13-E-16A	4.68	4.2 ± 2.2	4.9 ± 2.2
13-E-17	5.75	<0.6	<0.5
13-H-16A	2.74	3.3 ± 2.2	9.3 ± 5.3
13-H-17	4.27	<0.6	<0.5
13-I-18	1.02	8.9 ± 4.9	8.2 ± 5.1
13-J-17	4.67	4.2 ± 2.2	6.7 ± 5.1
13-K-18	1.23	<0.6	<0.5
13-F-18	3.72	<0.6	<0.5
13-G-17	3.27	5.1 ± 2.2	5.8 ± 2.2
13-G-18	2.15	5.8 ± 2.2	5.1 ± 2.2
13-D-5	3.37	<0.6	<0.5
13-E-7A	1.40	<0.6	<0.5
13-C-11A	5.26	<0.6	<0.5
13-F-5	3.05	5.1 ± 2.2	5.3 ± 2.2
13-G-7A	1.64	<0.6	<0.5
13-O-11	0.84	4.7 ± 3.6	6.7 ± 6.0
13-A-12	2.13	<0.6	<0.5
13-H-5	5.12	<0.6	<0.5
13-H-7A	5.60	12.0 ± 6.2	7.1 ± 5.6
13-N-13	1.28	5.6 ± 4.4	9.1 ± 5.8
13-B-13	6.51	<0.6	<0.5
13-M-12A	1.77	3.8 ± 2.9	5.6 ± 2.2
13-J-5	1.20	<0.6	5.6 ± 2.2
14-G-3A	2.52	<0.6	5.3 ± 2.2
14-G-8A	2.90	<0.6	5.6 ± 2.2
14-J-8	2.83	<0.6	12.2 ± 6.0
14-H-3B	1.55	<0.6	5.3 ± 2.2

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 90-12-322
DATE RECEIVED: 12/17/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
14-H-3A	2.78	<0.6	5.1 ± 2.2
14-H-8B	1.29	4.9 ± 2.2	5.3 ± 2.2
14-F-8	1.12	4.9 ± 2.2	5.6 ± 2.2
14-I-3A	3.19	5.1 ± 2.2	5.6 ± 2.2
14-I-8B	2.46	5.8 ± 2.2	5.3 ± 2.2
14-J-3	2.20	<0.6	5.6 ± 2.2

QA DATA

FOR

CEP WORK ORDER NO:

90-12-322

PAINT CHIPS

CEP WORK ORDER NO: 90-12-322

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	13.20 ± 1.08 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	13.64 ± 0.89 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	14.63 ± 1.10 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technician Value	13.04 ± 1.08pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	41.61 ± 1.71 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	44.81 ± 1.38 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	50.98 ± 2.07 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	43.21 ± 1.76 pCi

CEP WORK ORDER NO:

91-03-473

UNIT 2

CHANGE ROOM & VESTIBULE

PAINT CHIPS

CEP WORK ORDER NO: 91-03-473

DATE RECEIVED: 03/22/91

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 1, 25 B3A	1.81		
Group 1, 25 B3B	2.01		
Group 1, 25 D2	1.45		
Group 1, 25 B3 - D2		1.3 ± 1.3	<0.5
Group 2, 25 D16A	4.95		
Group 2, 25 D16B	4.74		
Group 2, 25 B13B	4.85		
Group 2, 25 B13A	5.14		
Group 2, 25 D16A - B13A		<0.5	<0.5
Group 3, 25 I6	4.90		
Group 3, 25 H10	6.06		
Group 3, 25 H10A	8.15		
Group 3, 25 I6 - H10A		<0.5	<0.5
Group 4, 25 H9A	7.50		
Group 4, 25 H9B	4.08		
Group 4, 25 H5A	7.95		
Group 4, 25 H5B	5.34		
Group 4, 25 H9 - H-5B		<0.5	<0.5
Group 5, A1 2A	1.55		
Group 5, G A9B	2.46		
Group 5, GE5B	2.72		
Group 5, 4 A12A - GE5B		<0.4	<0.5

PAINT CHIPS

CEP WORK ORDER NO: 91-03-473

QA DATA

Gross Alpha:

ILS Known Value	15.83 ± 1.30 pCi
Technician Value	11.67 ± 1.01 pCi

Gross Beta:

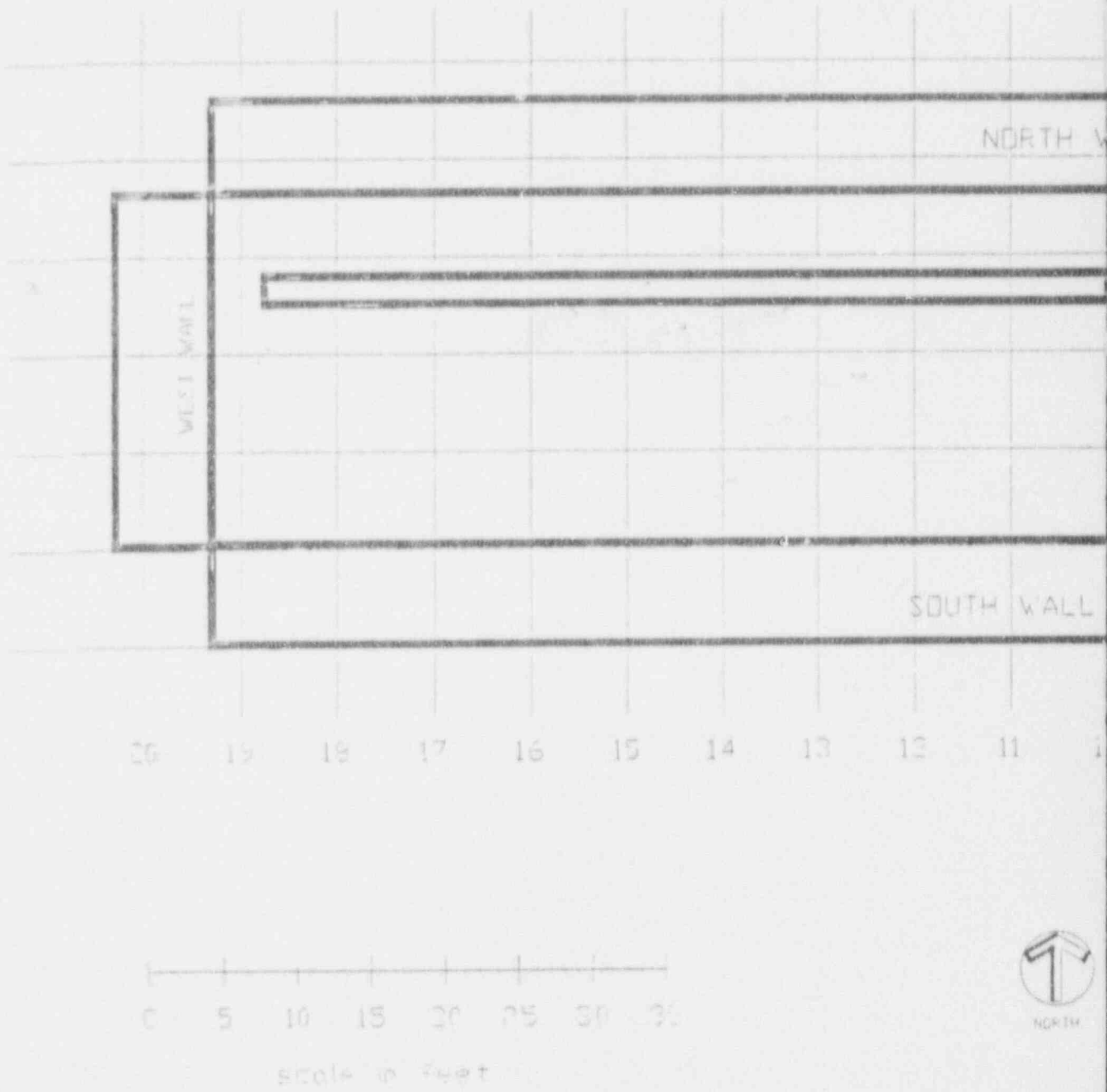
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	39.35 ± 3.30 pCi

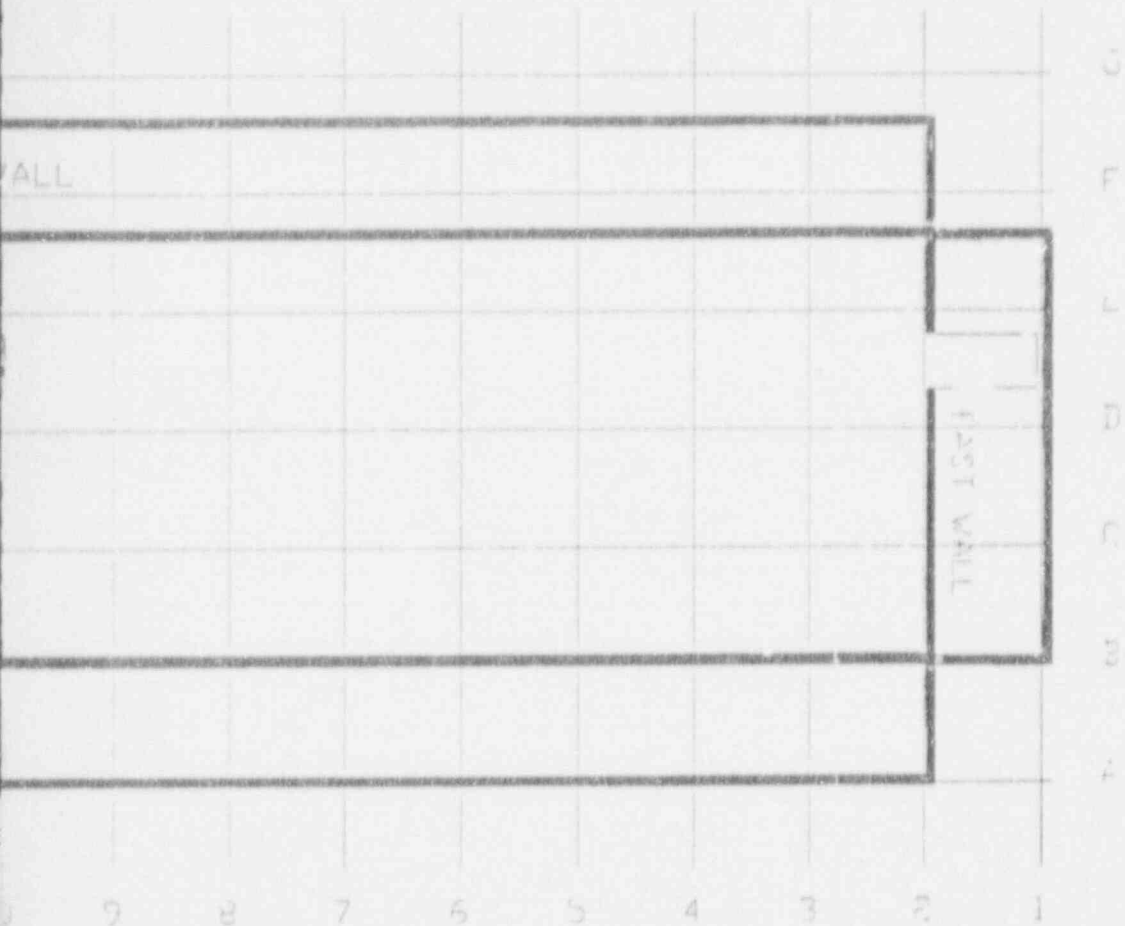
APPENDIX B

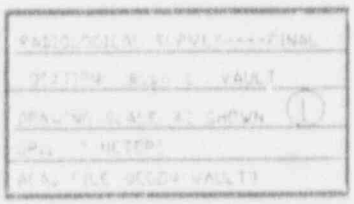
UNIT 3
L-BUILDING FUEL VAULT
SUPPORT DATA

SURVEY GRID MAPS
LOWER SURFACES
UPPER SURFACES
SPECIAL SURVEYS
PAINT SAMPLES

SURVEY GRID MAPS


NORTH W
WEST WALL
SOUTH WALL
20 19 18 17 16 15 14 13 12 11
0 5 10 15 20 25 30 35
scale in feet
NORTH



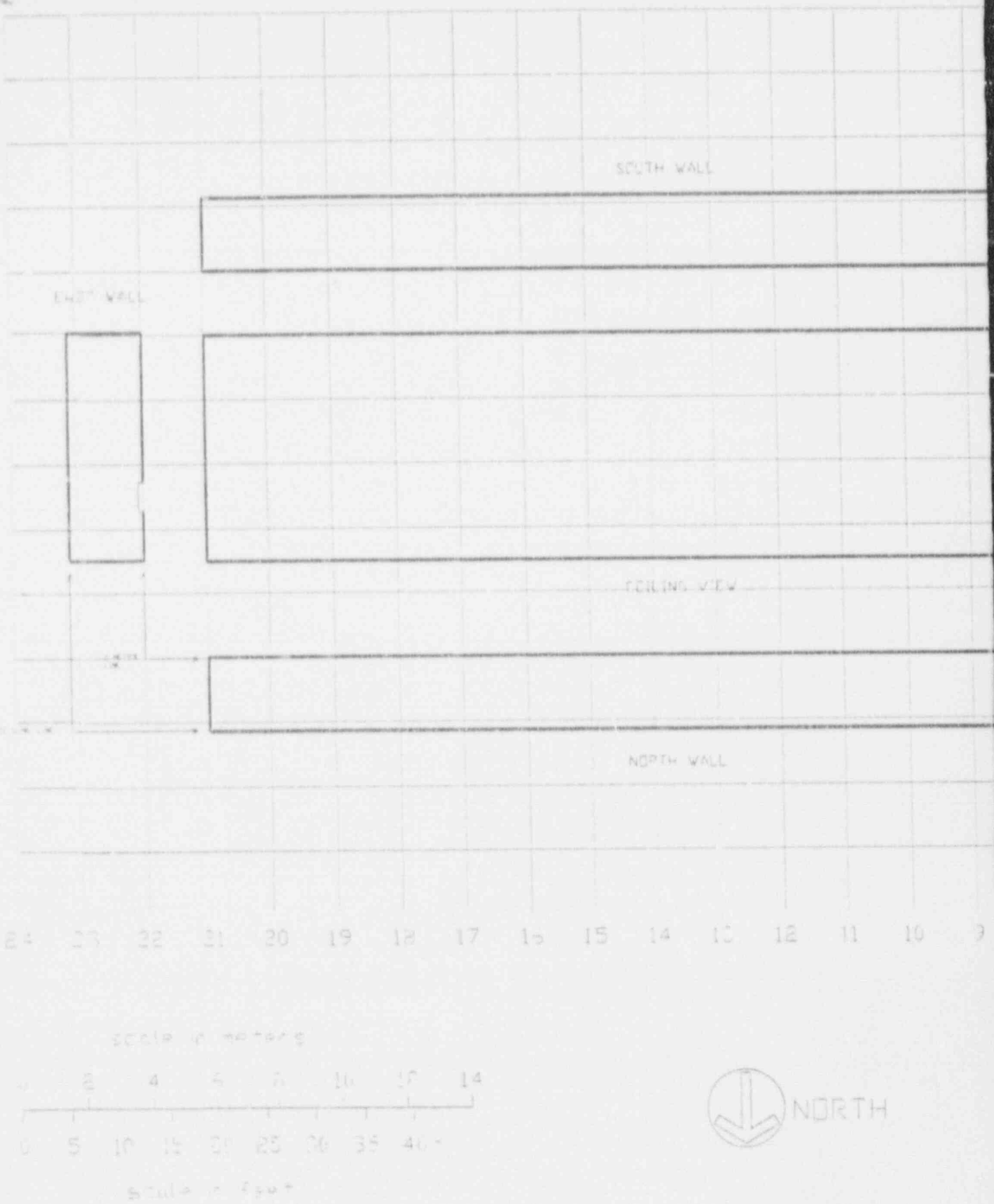


SI
APERTURE
CARD

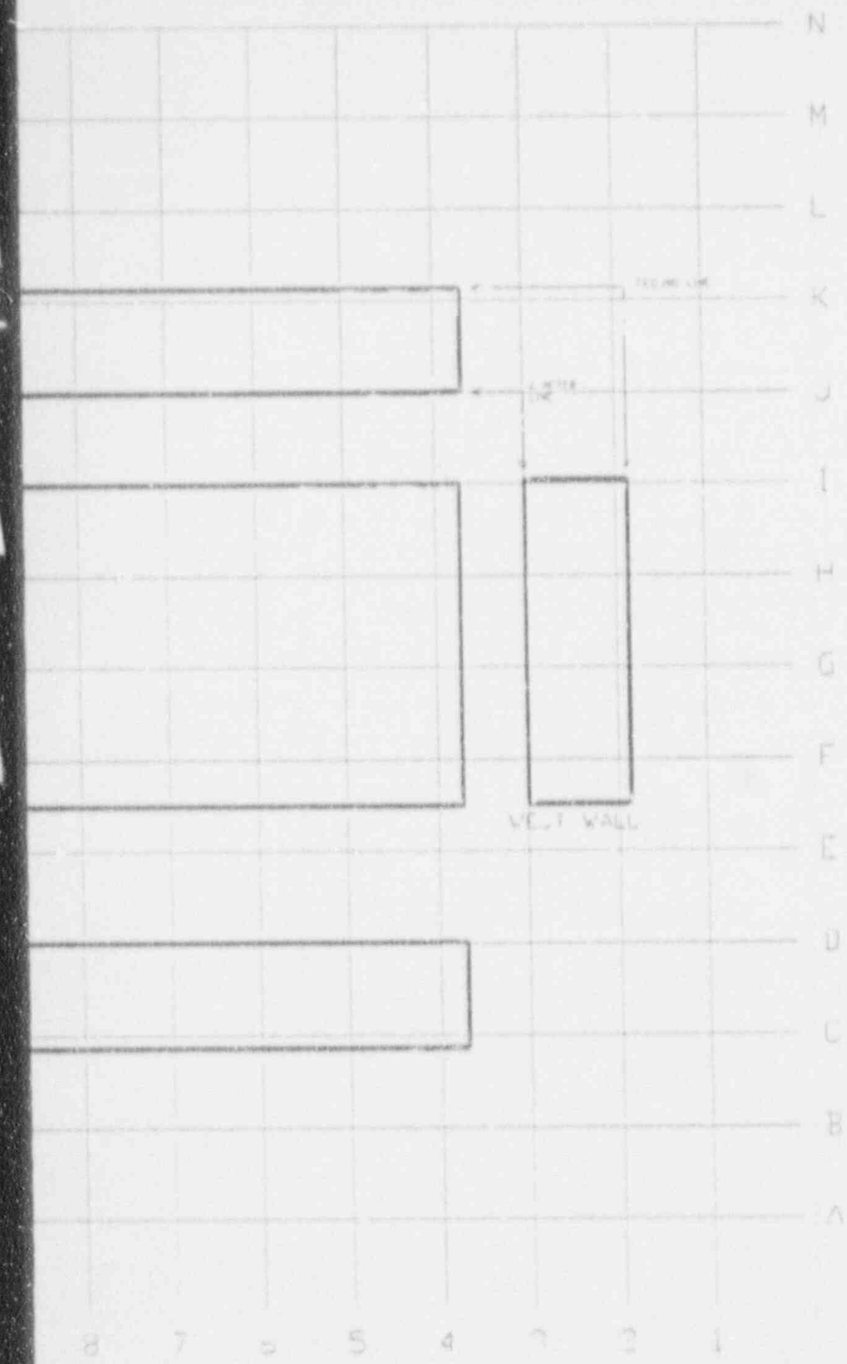
Also Available On
Aperture Card

9212140147-16

SGM1


SOUTH WALL
EAST WALL
CEILING VIEW
NORTH WALL
24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9
SCALE IN METERS
0 2 4 6 8 10 12 14
0 5 10 15 20 25 30 35 40
SCALE IN FEET
NORTH

SGM2

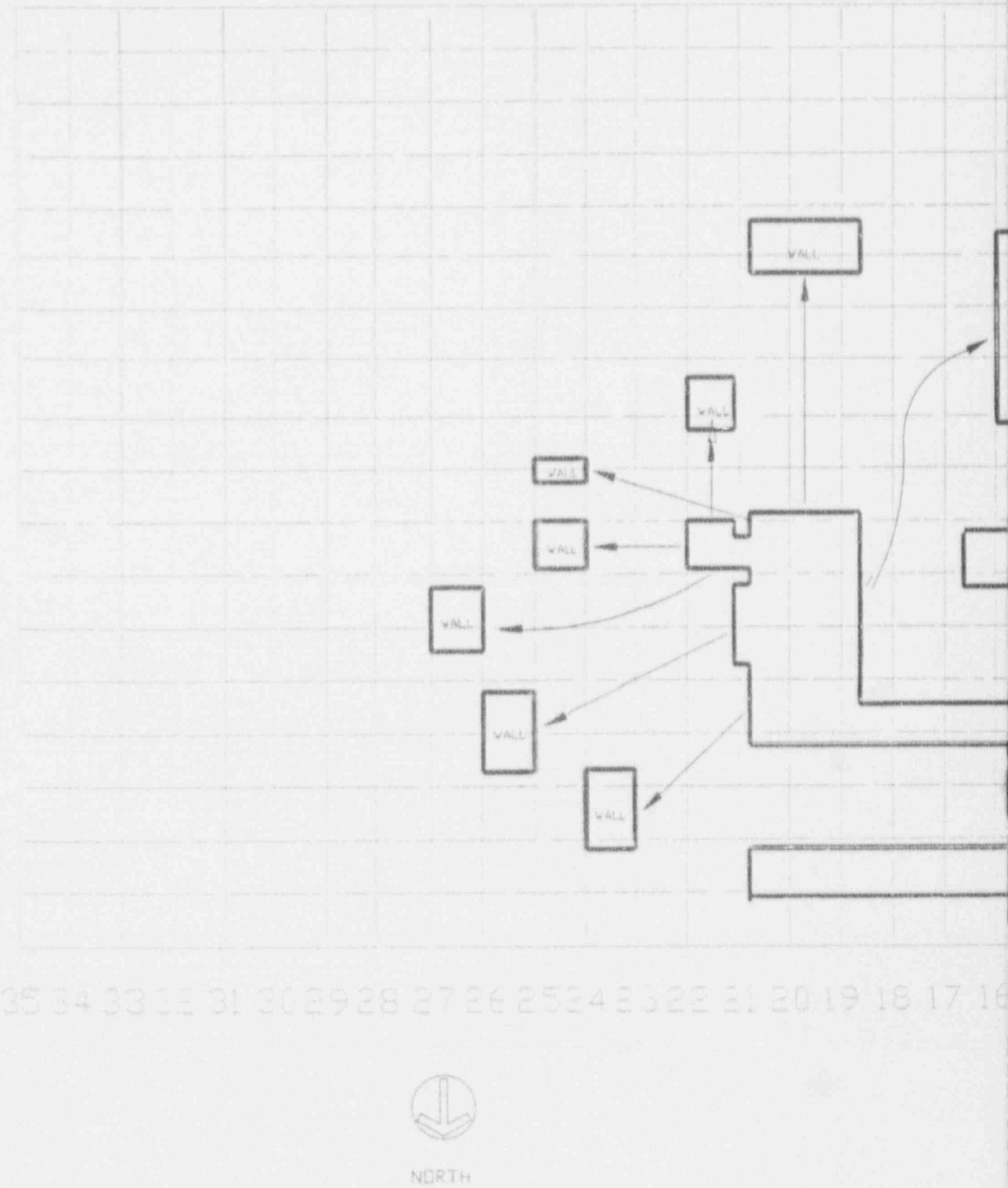


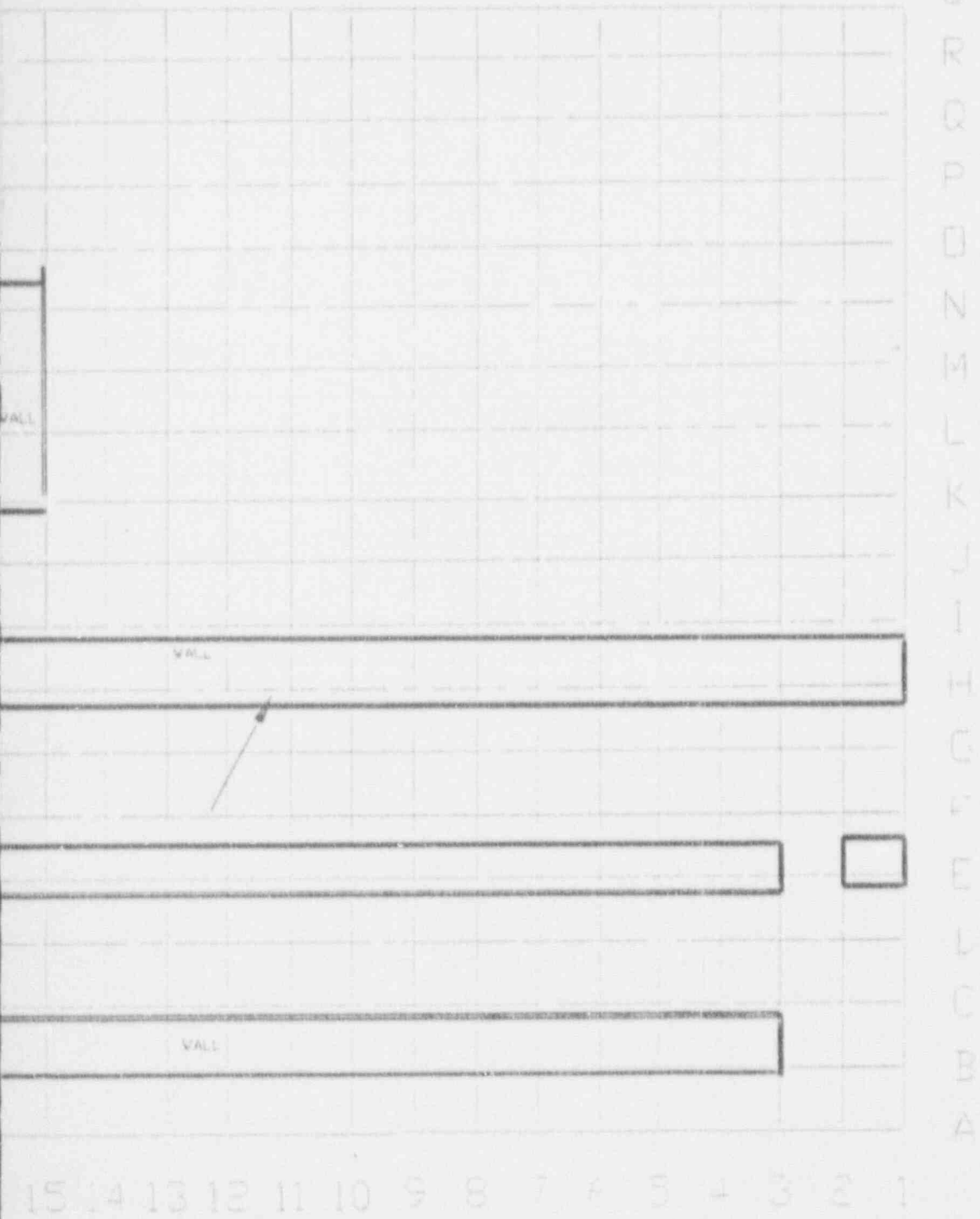
	RADIOLOGICAL SURVEY-INITIAL
	LOCATION: [illegible]
KEYS	DRAWING SCALE: 1/4" = 1' (201)
	REV. 1 [illegible]
	[illegible] DECONTAMINATION

SI
APERTURE
CARD

Also Available On
Aperture Card

9212140147-17


WALL
WALL
WALL
WALL
WALL
WALL
WALL
35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16
NORTH



SI
APERTURE
CARD

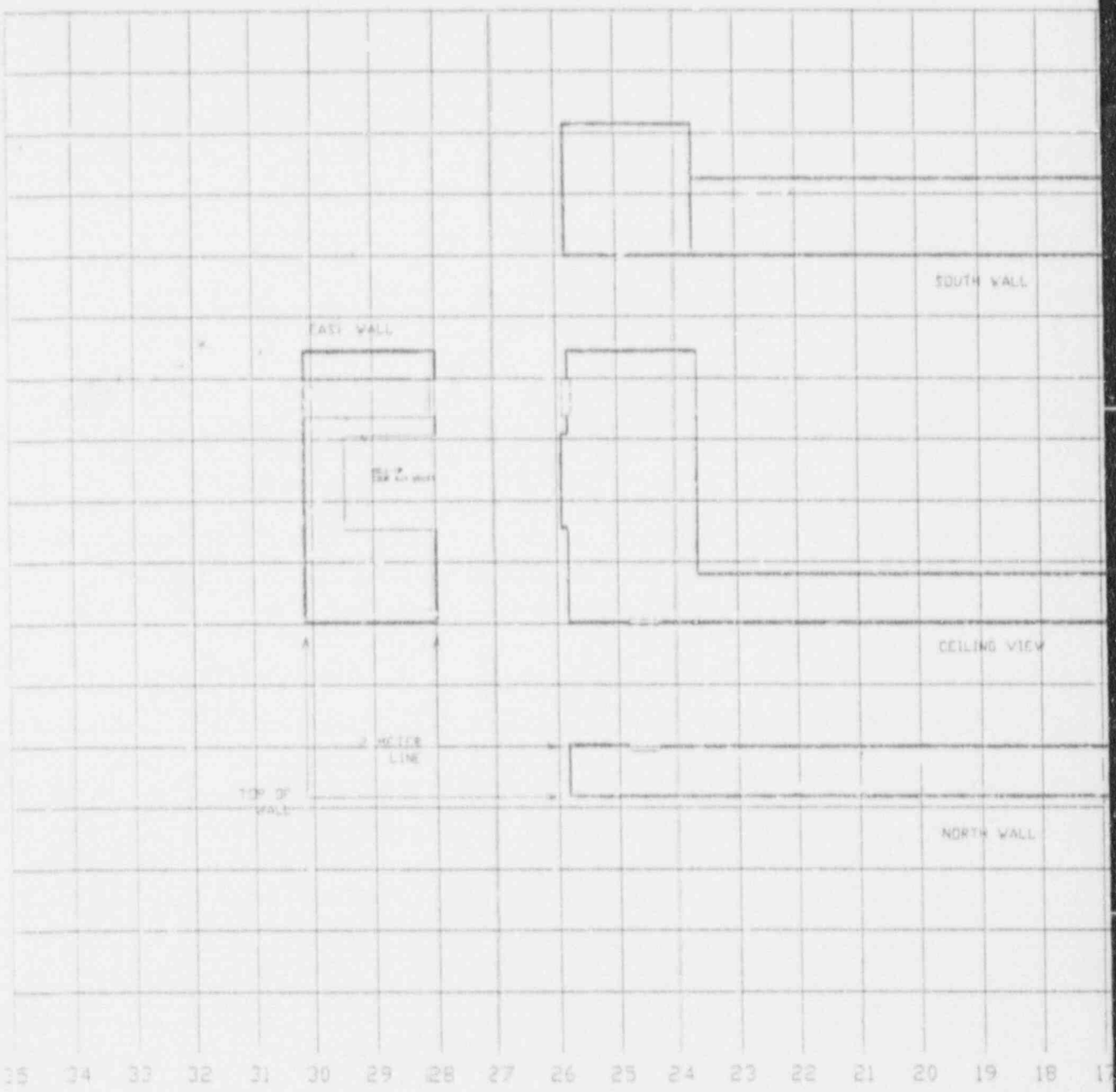
Also Available On
Aperture Card

RADIOLOGICAL SURVEY----FINAL
LOCATION: L-VAULT HALL AREA
DRAWING SCALE: AS SHOWN (2)
GRID: 2 METER
ACAD FILE: DECONALVH-D

2 4 6 8 10 meters
0 5 10 15 20 25 30 feet
scale

9212140147-18

SGM3



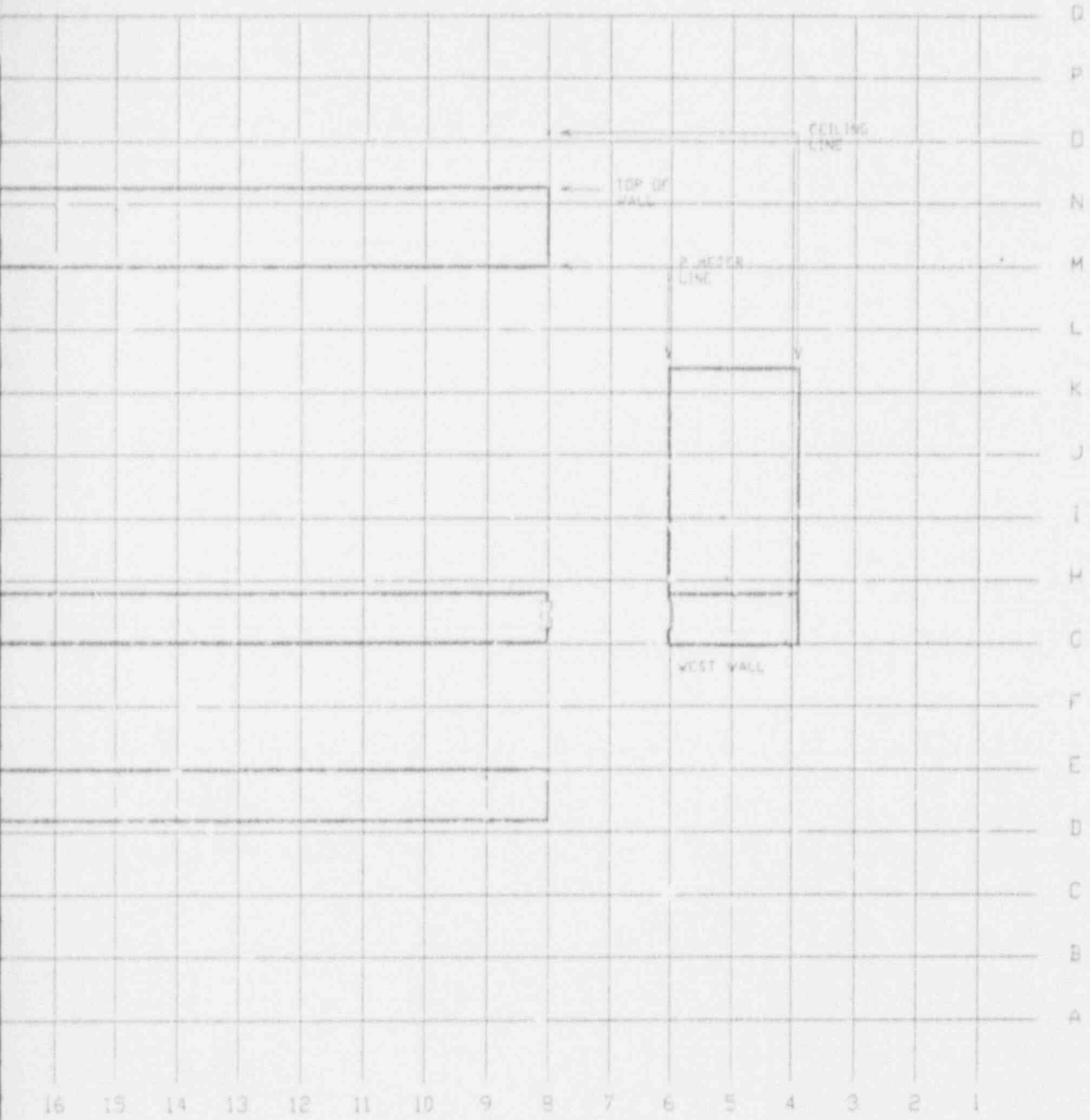
scale in meters

0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

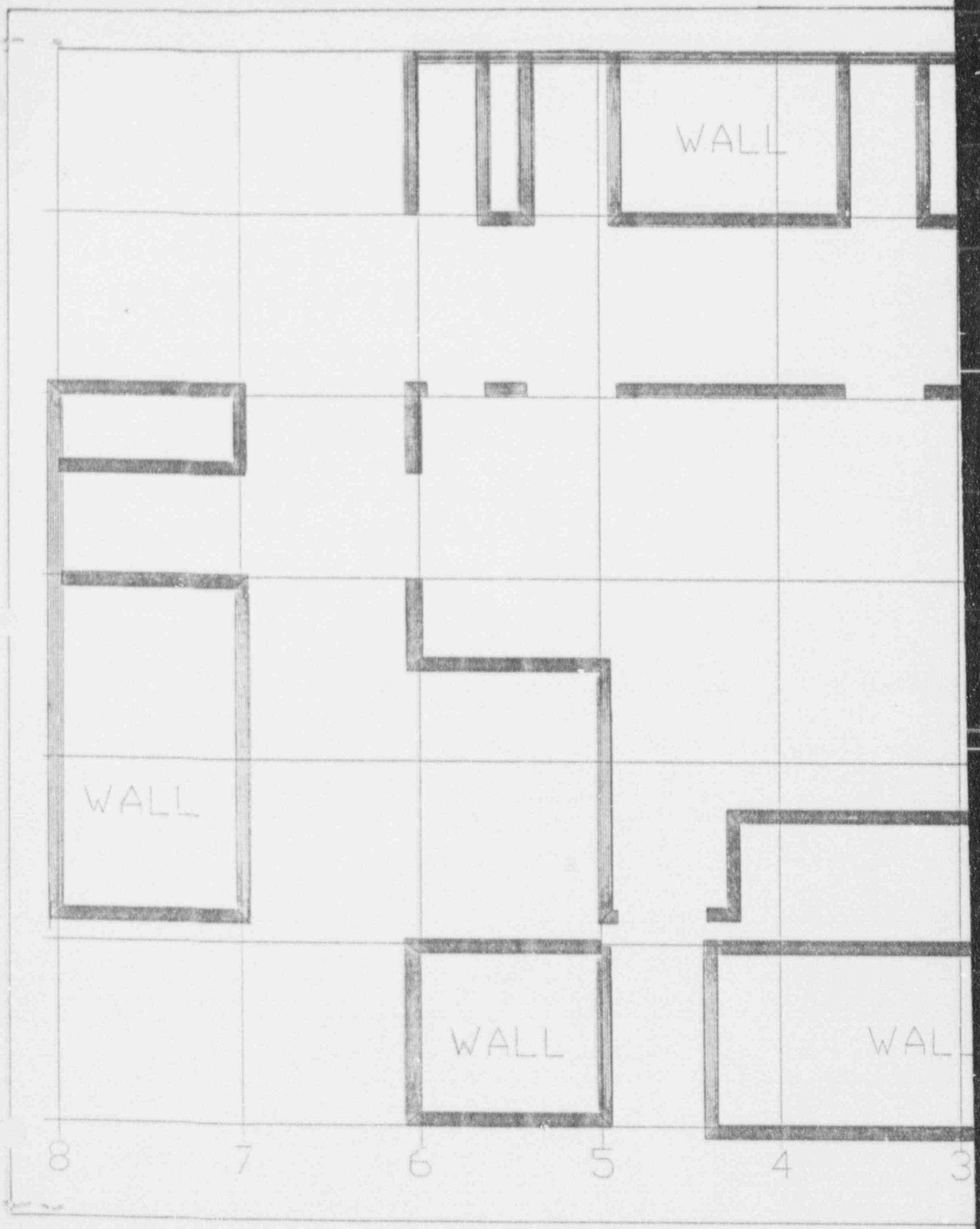
NORT

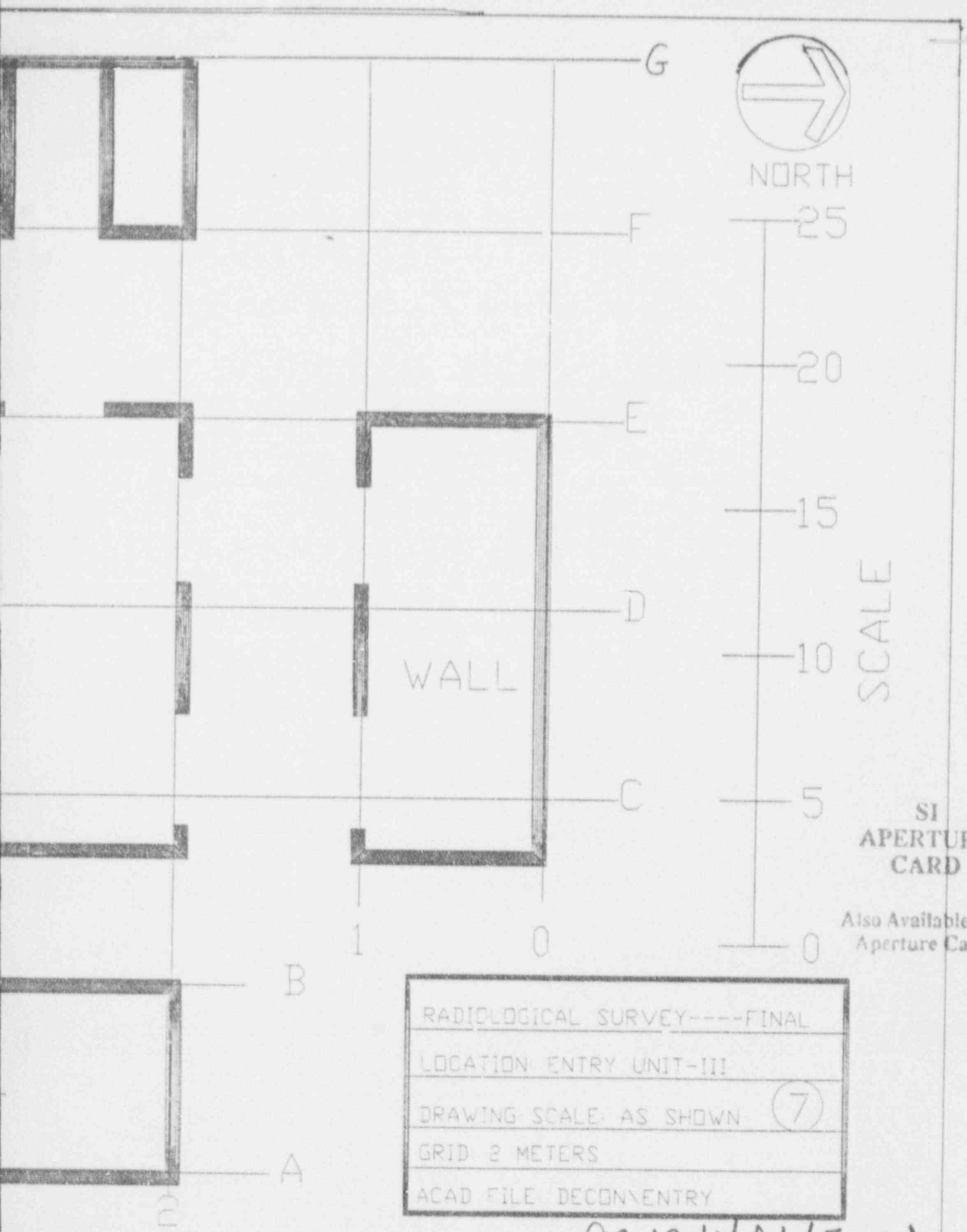


KEYS	RADIOLOGICAL SURVEY ----FINAL
	LOCATION: L-PLOC HALL TO VLT 3
	DRAWING SCALE 1/8"= 1'
	GRID 2 METER
	ADAD FILE 0000N-LVH-B2M

9212140147-19

SGM4


WALL
WALL
WALL
WALL
8
7
6
5
4
3



RADIOLOGICAL SURVEY----FINAL

LOCATION: ENTRY UNIT-III

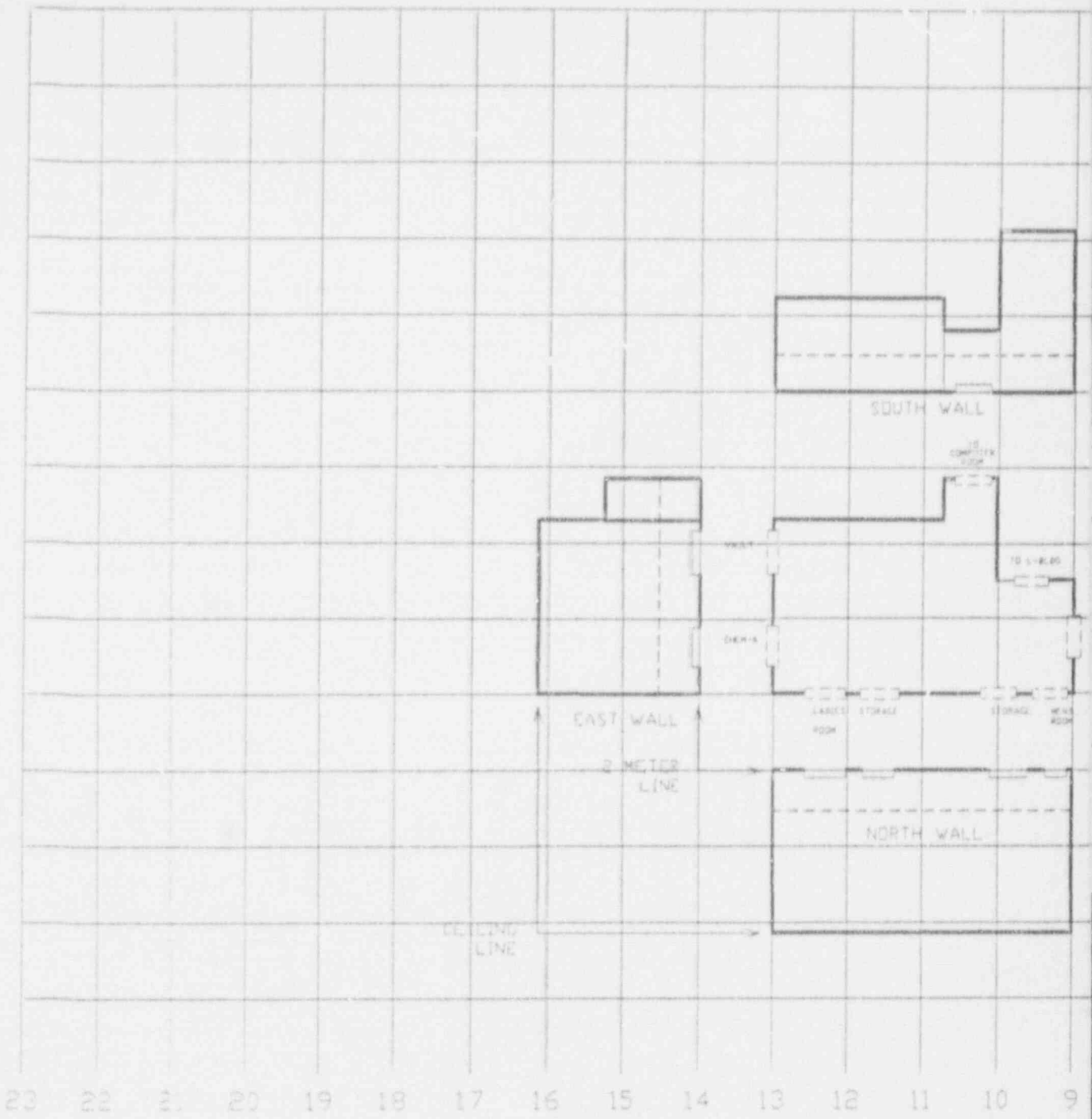
DRAWING SCALE: AS SHOWN (7)

GRID: 2 METERS

ACAD FILE: DECON\ENTRY

9212140147-20

SGM5



scale in meters

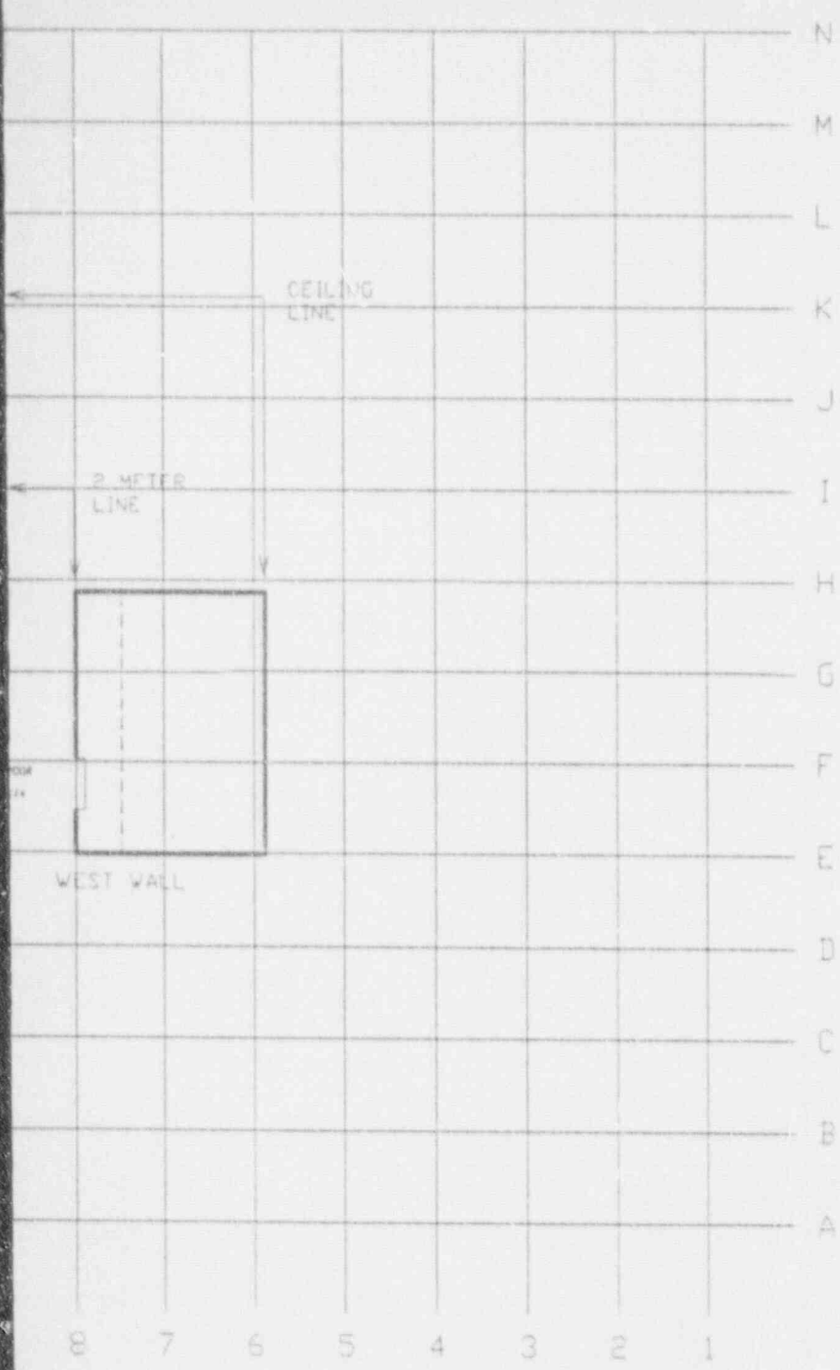
0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

NORTH

SGM6

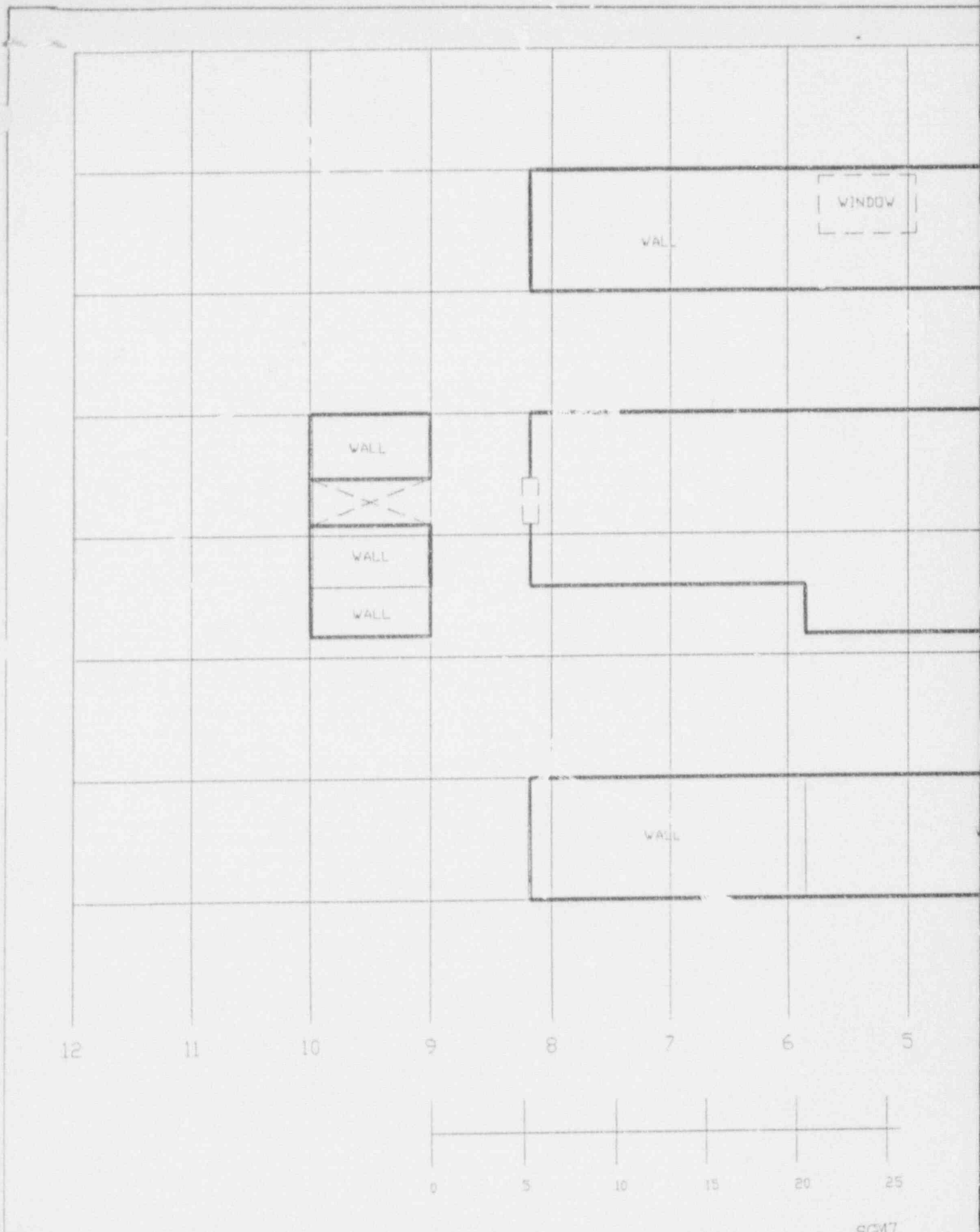


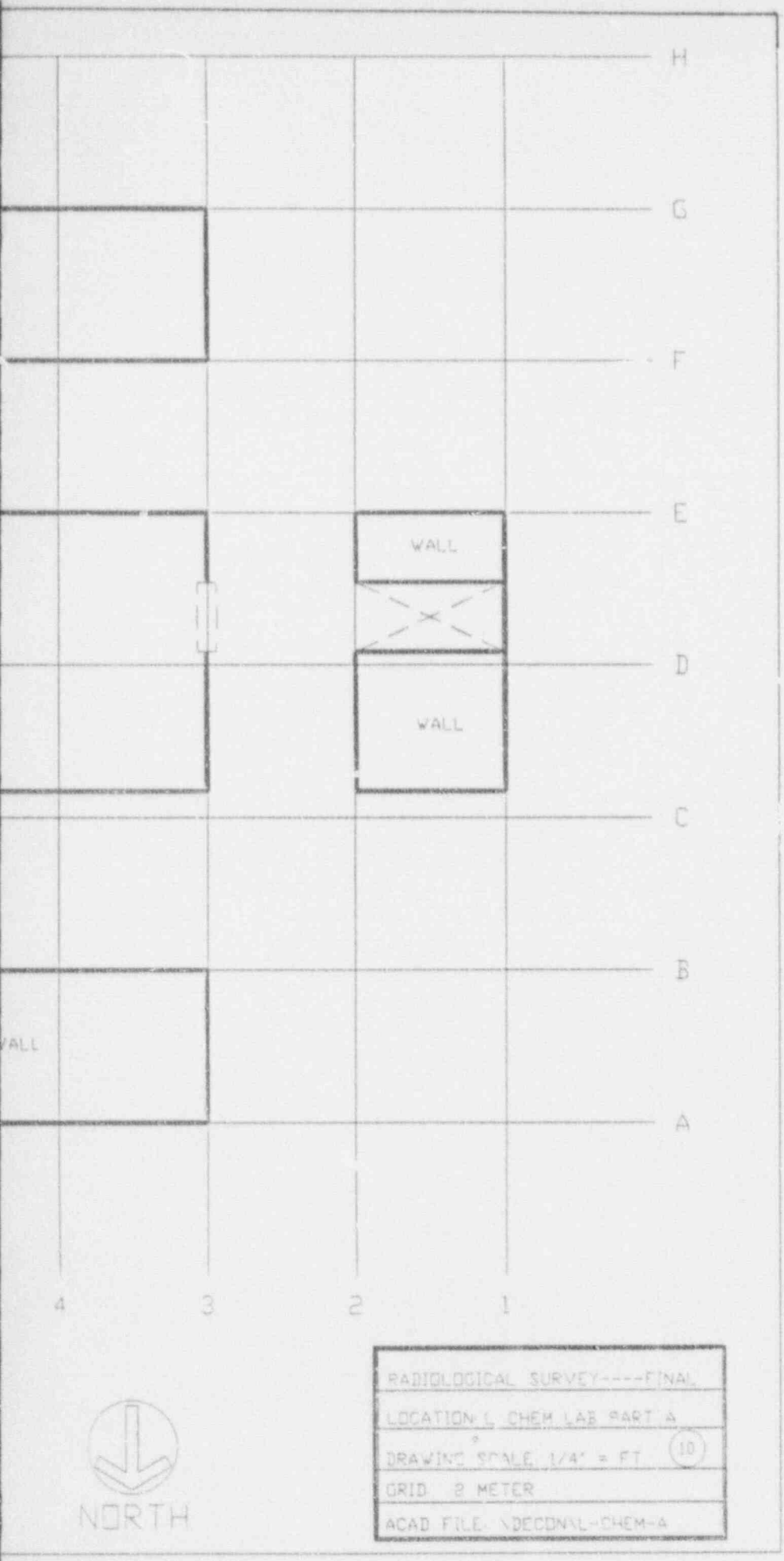
	RADIOLOGICAL SURVEY----FINAL
	LOCATION L-BLDG
KEYS	DRAWING SCALE 1/8"= 1' 2071
--- SUSPENDED CEILING	GRID 2 METER
	ACAD FILE DECON\ENTR~2M

SI
APERTURE
CARD

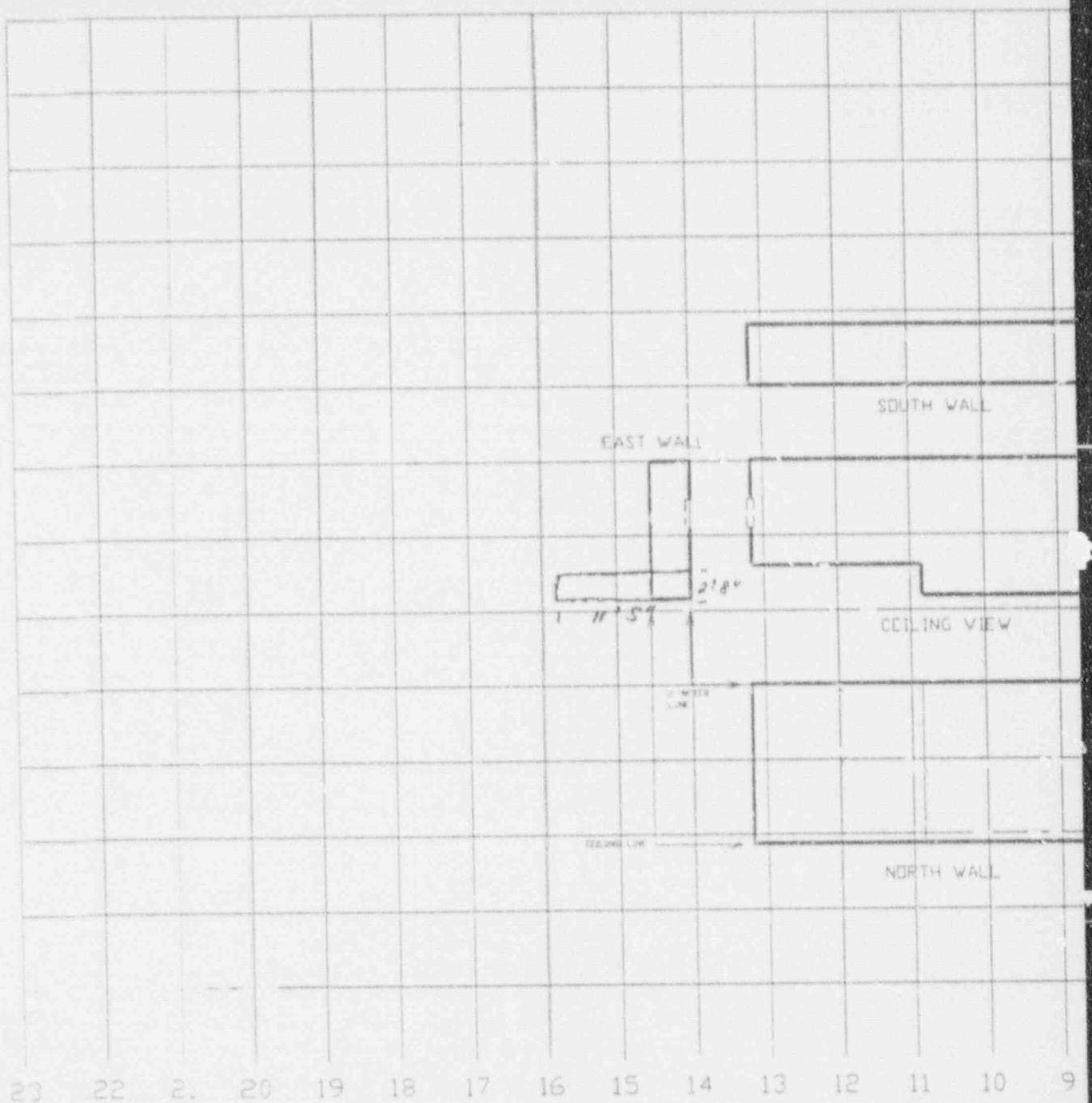
Also Available On
Aperture Card

9212140147-21


WINDOW
WALL
WALL
WALL
WALL
WALL
12
11
10
9
8
7
6
5
0
5
10
15
20
25
SG17



9212140147-22



scale in meters

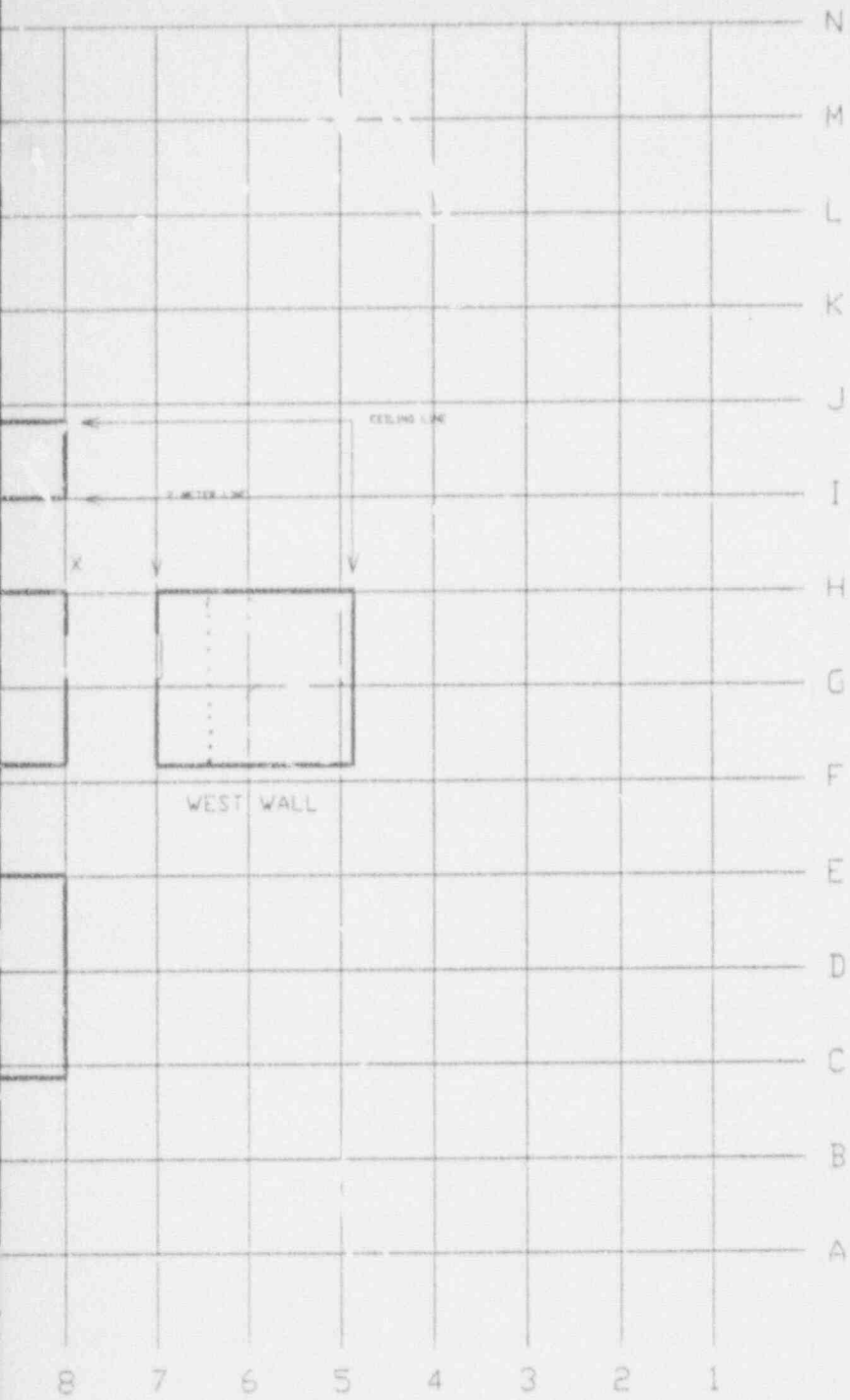
0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

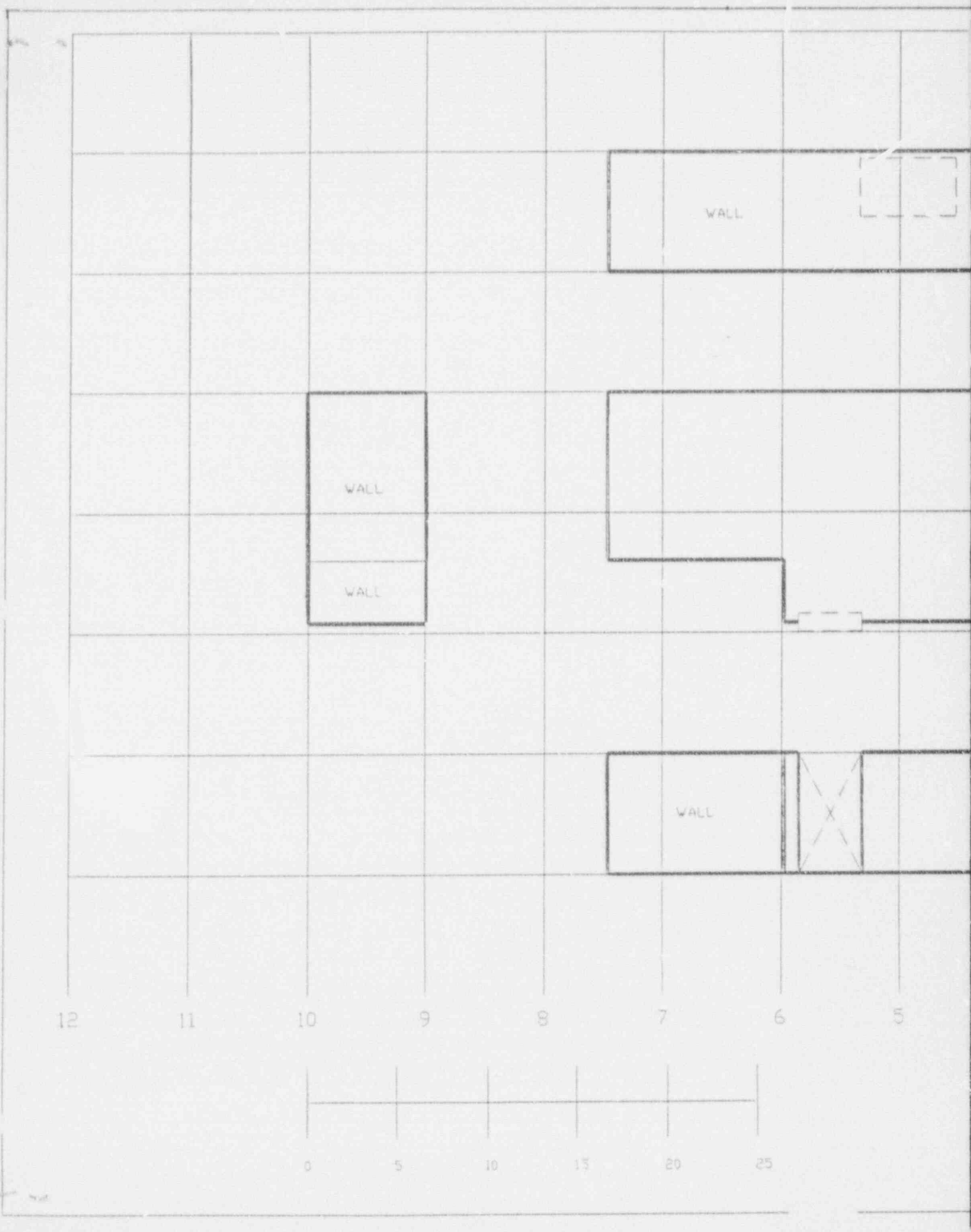
NORTH

SG48

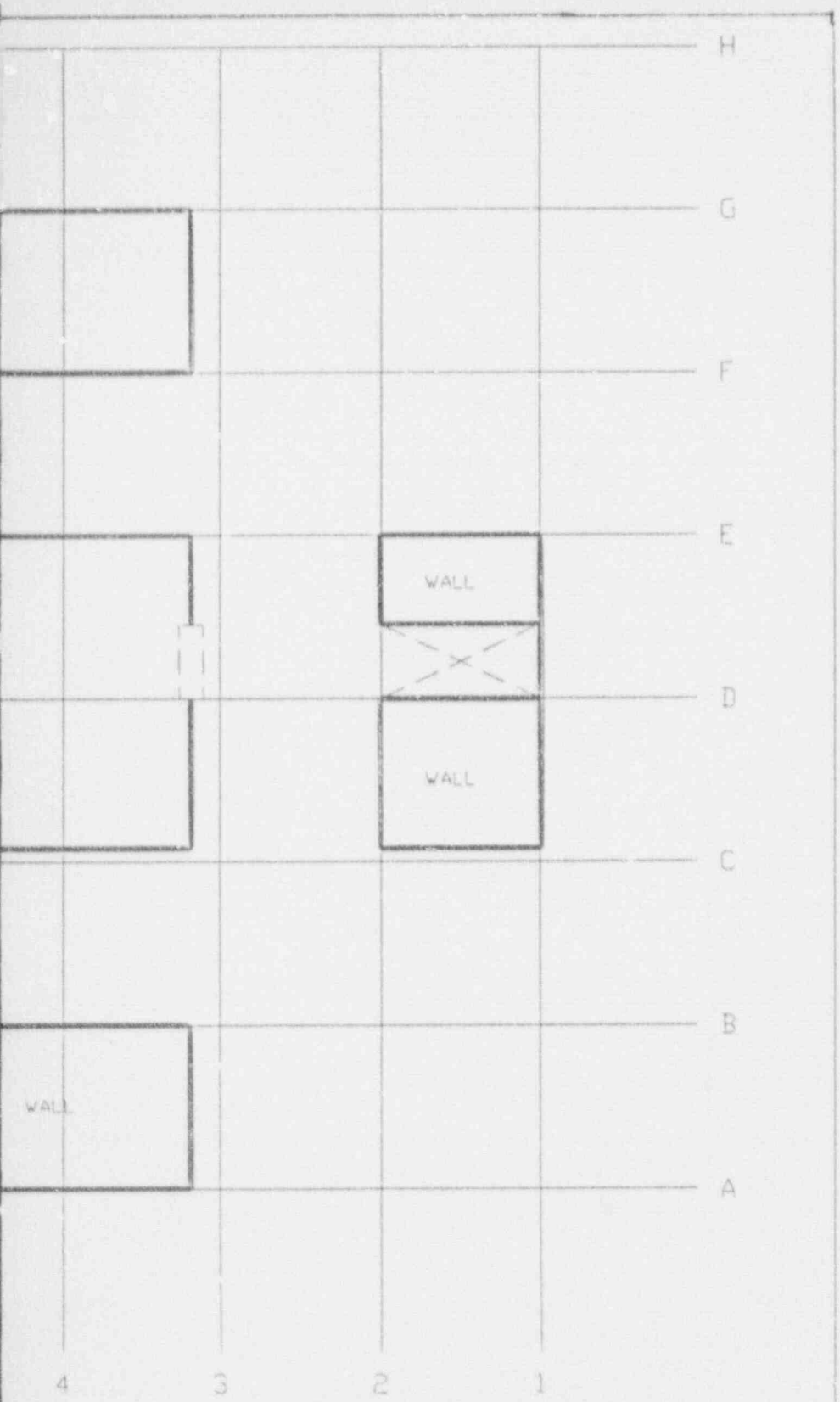


	RADIOLOGICAL SURVEY----FINAL
	LOCATION L-BLDG. CHEM-LAB-A
KEYS	DRAWING SCALE 1/8"= 1' (210)
	GRID 2 METER
	ACAD FILE- DECON\CHEM-A2M

9212140147-23



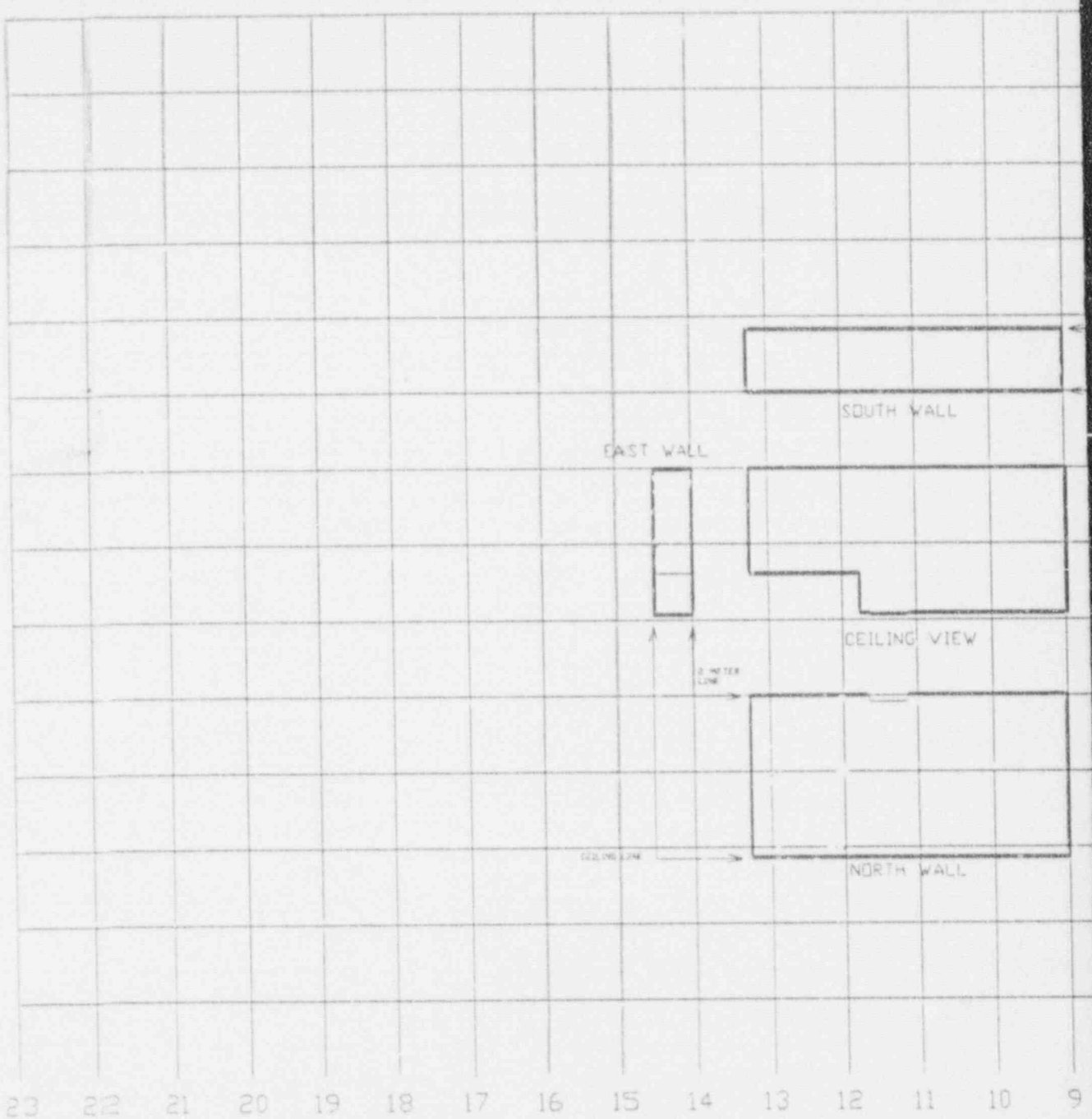
SGM9



RADIOLOGICAL SURVEY----FINAL
LOCATION: L CHEM LAB PART B
DRAWING SCALE: 1/4" = FT (11)
GRID: 2 METER
ACAD FILE: \DECON\L-CHEM-B

NORTH

9212140147-24



scale in meters

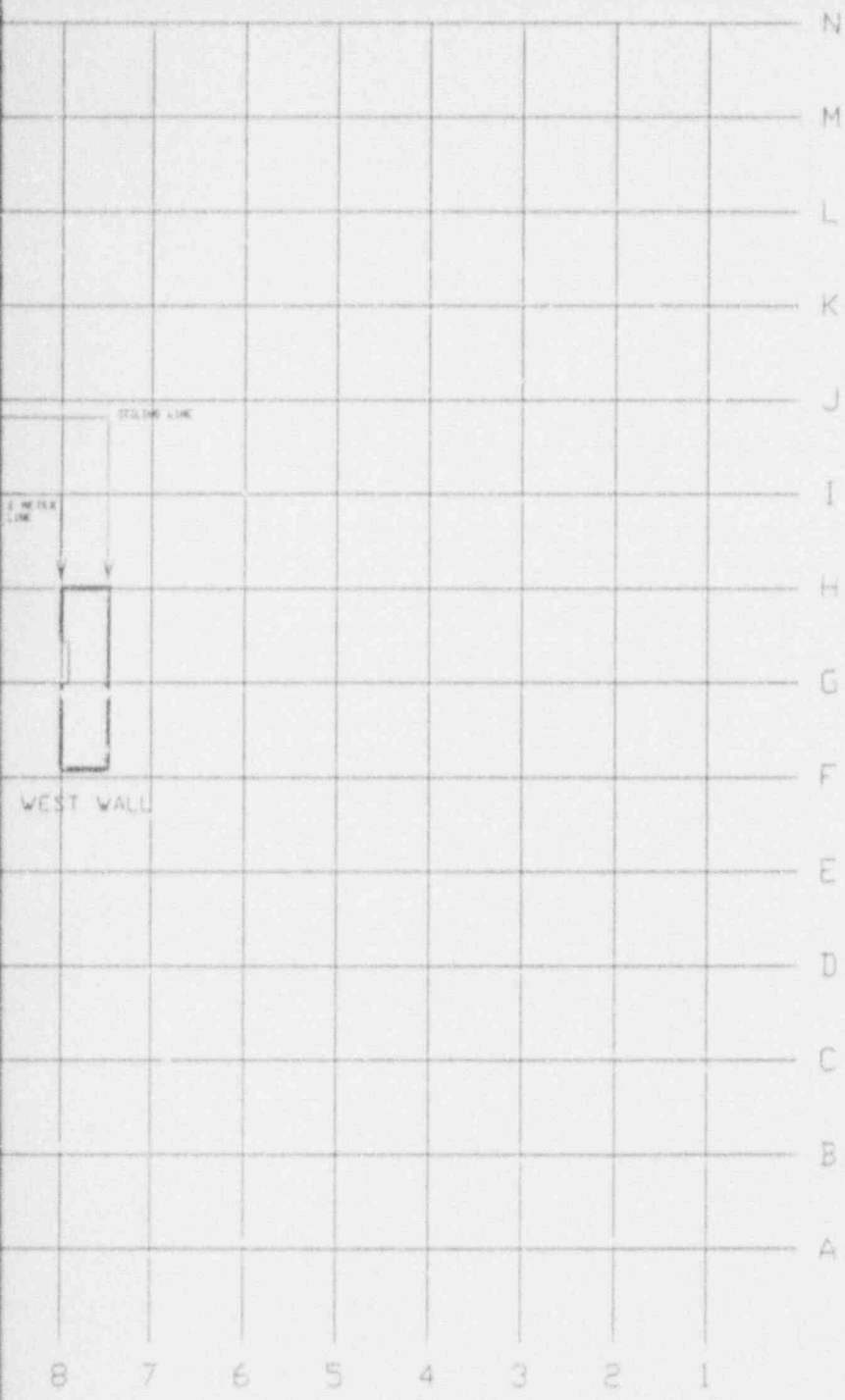
0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

NORTH

SGM10

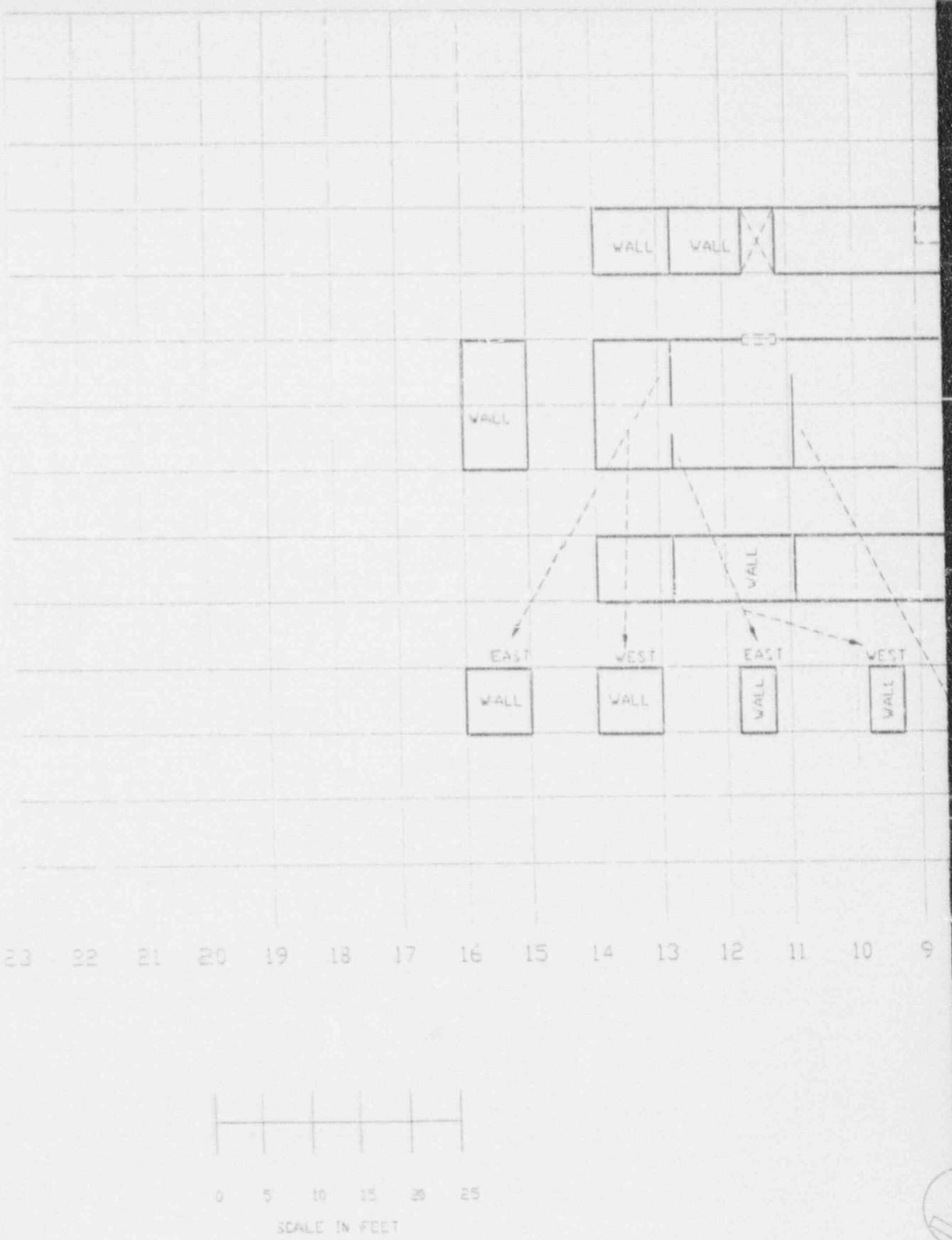


	RADIOLOGICAL SURVEY----FINAL
	LOCATION L-BLDG CHEM-LAB B
KEYS	DRAWING SCALE 1/8"= 1' (211)
	GRID 2 METER
	ACAD FILE: DECON\CHEM-B2M

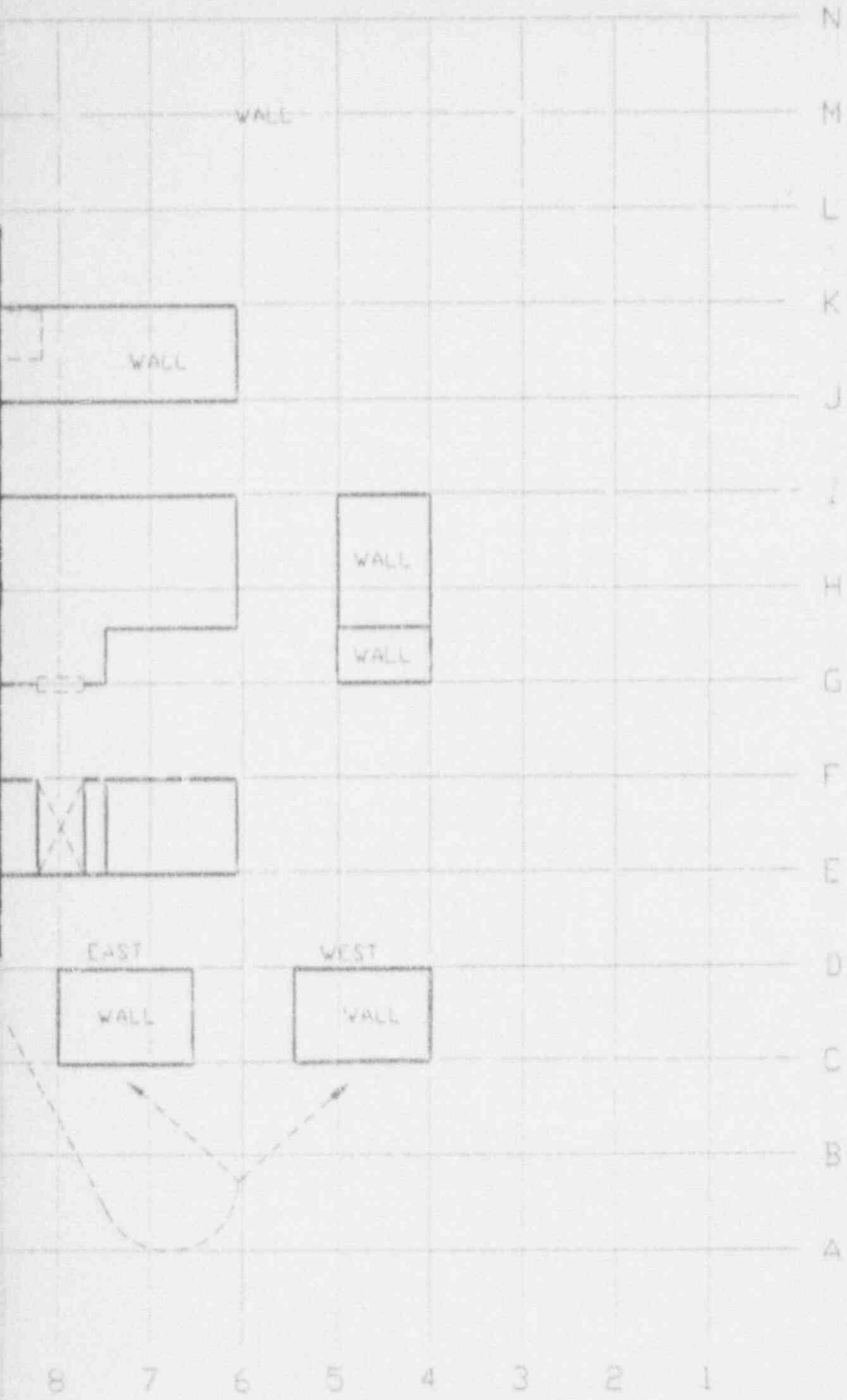
SI
APERTURE
CARD

Also Available On
Aperture Card

9212140147-25

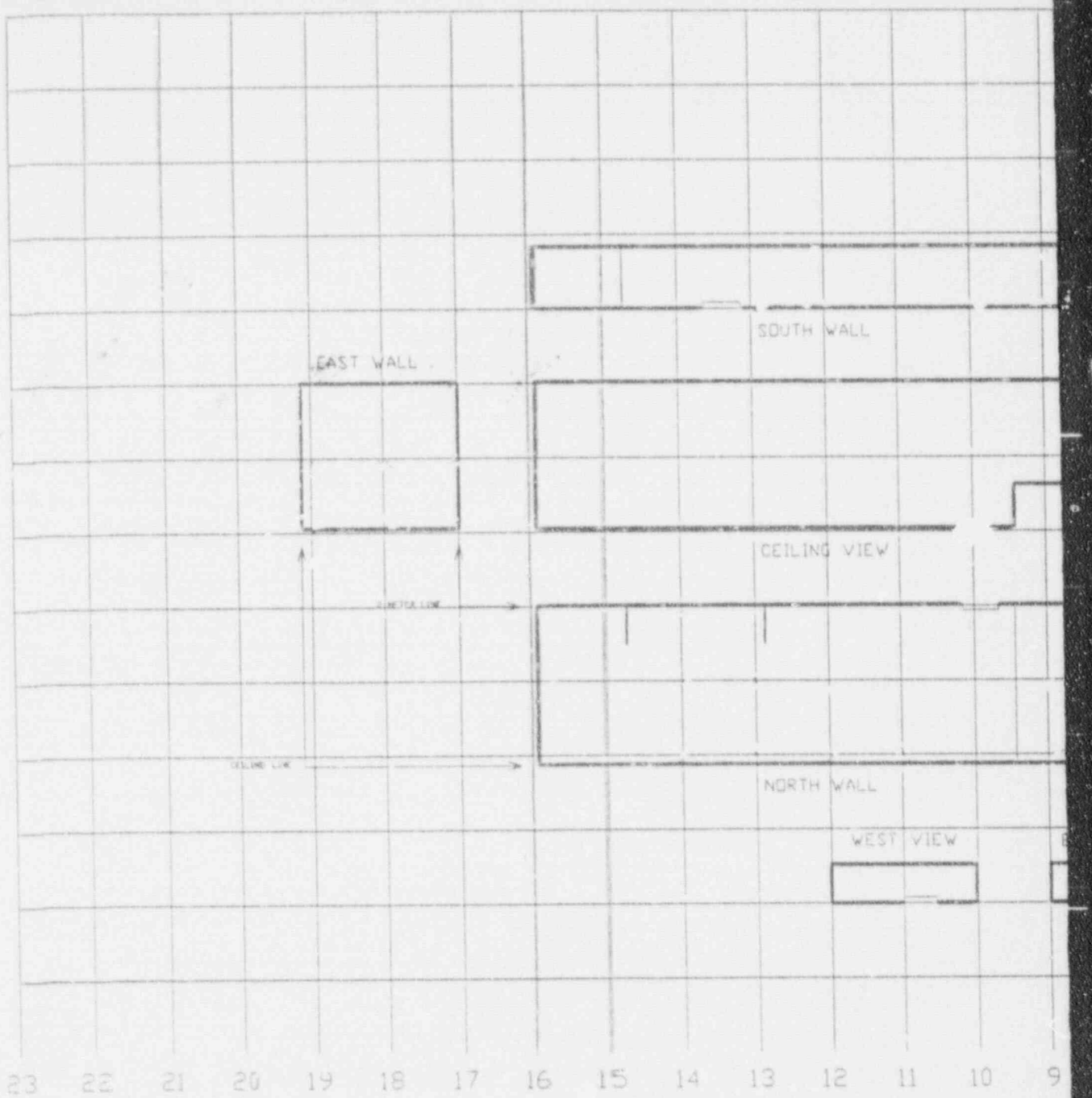

WALL
WALL
WALL
WALL
EAST
WALL
WEST
WALL
EAST
WALL
WEST
WALL
23 22 21 20 19 18 17 16 15 14 13 12 11 10 9
0 5 10 15 20 25
SCALE IN FEET

SGM11



RADIOLOGICAL SURVEY----FINAL
LOCATION: L CHEM LAB PART C
DRAWING SCALE: 1/8" = FT (12)
GRID: 2 METER
ACAD FILE: \DECON\L-CHEM-C

9212140147-26



scale in meters

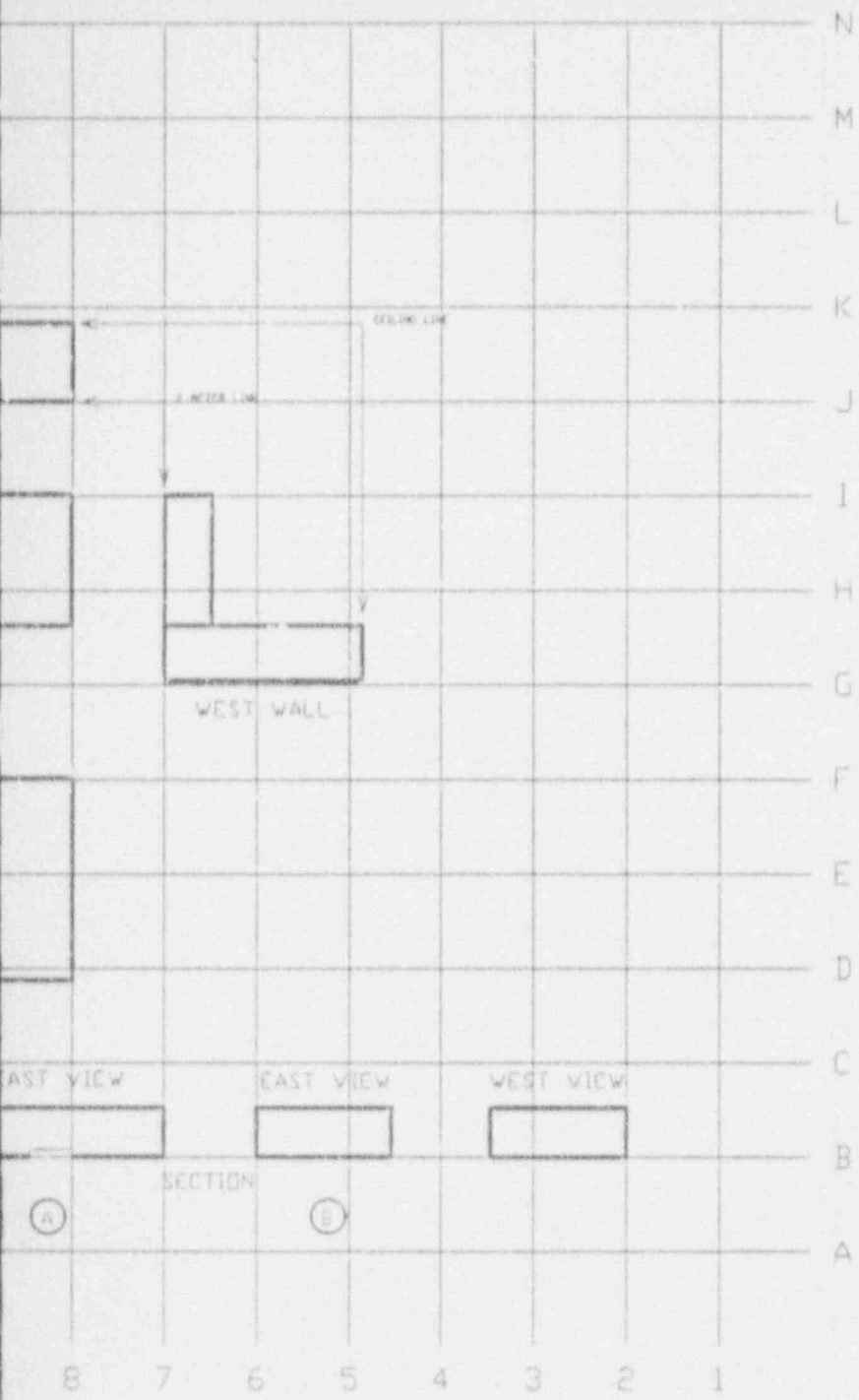
0 2 4 6 8 10 12 14

0 5 10 15 20 25 30 35 40

scale in feet

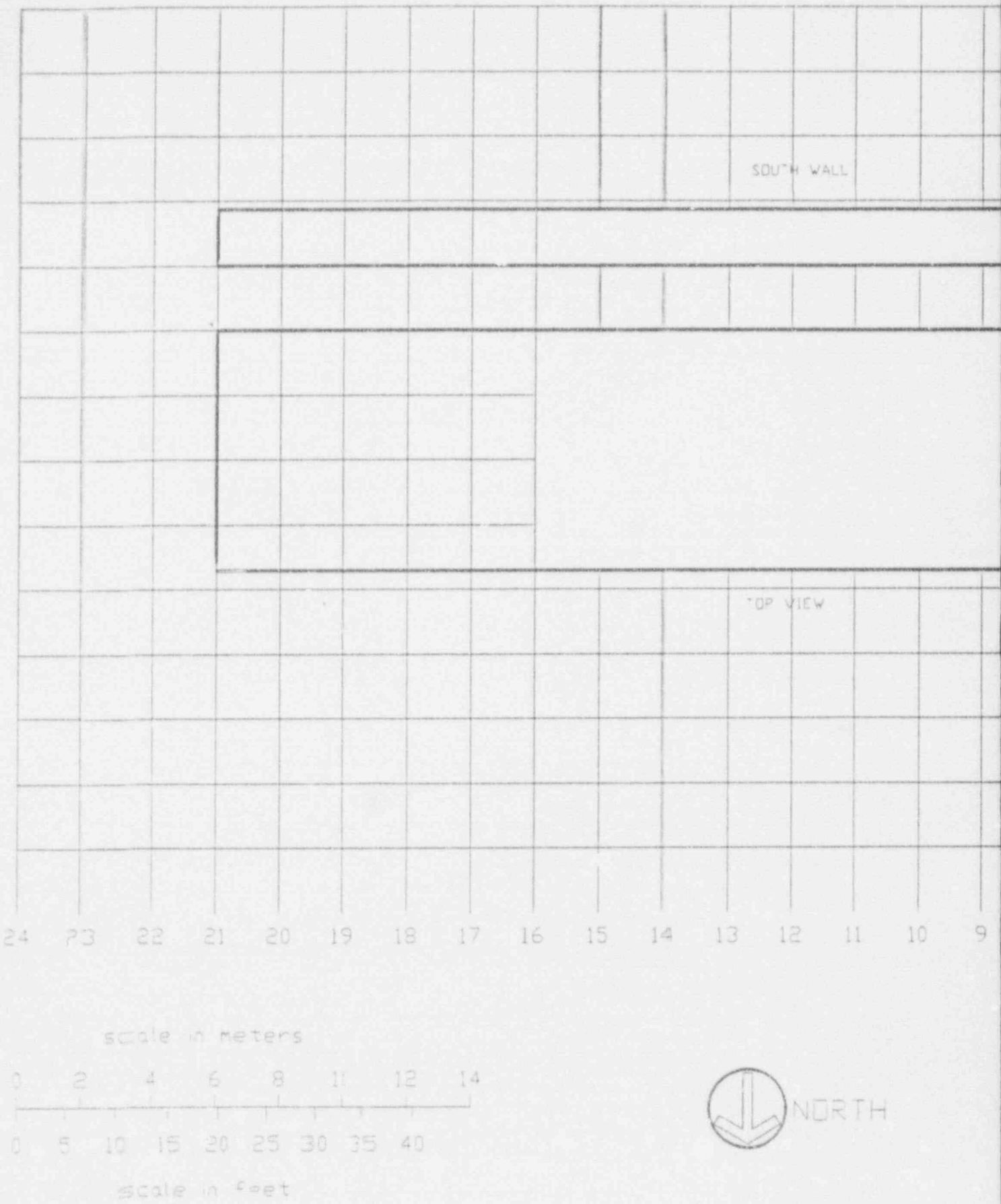
NORTH

SG112

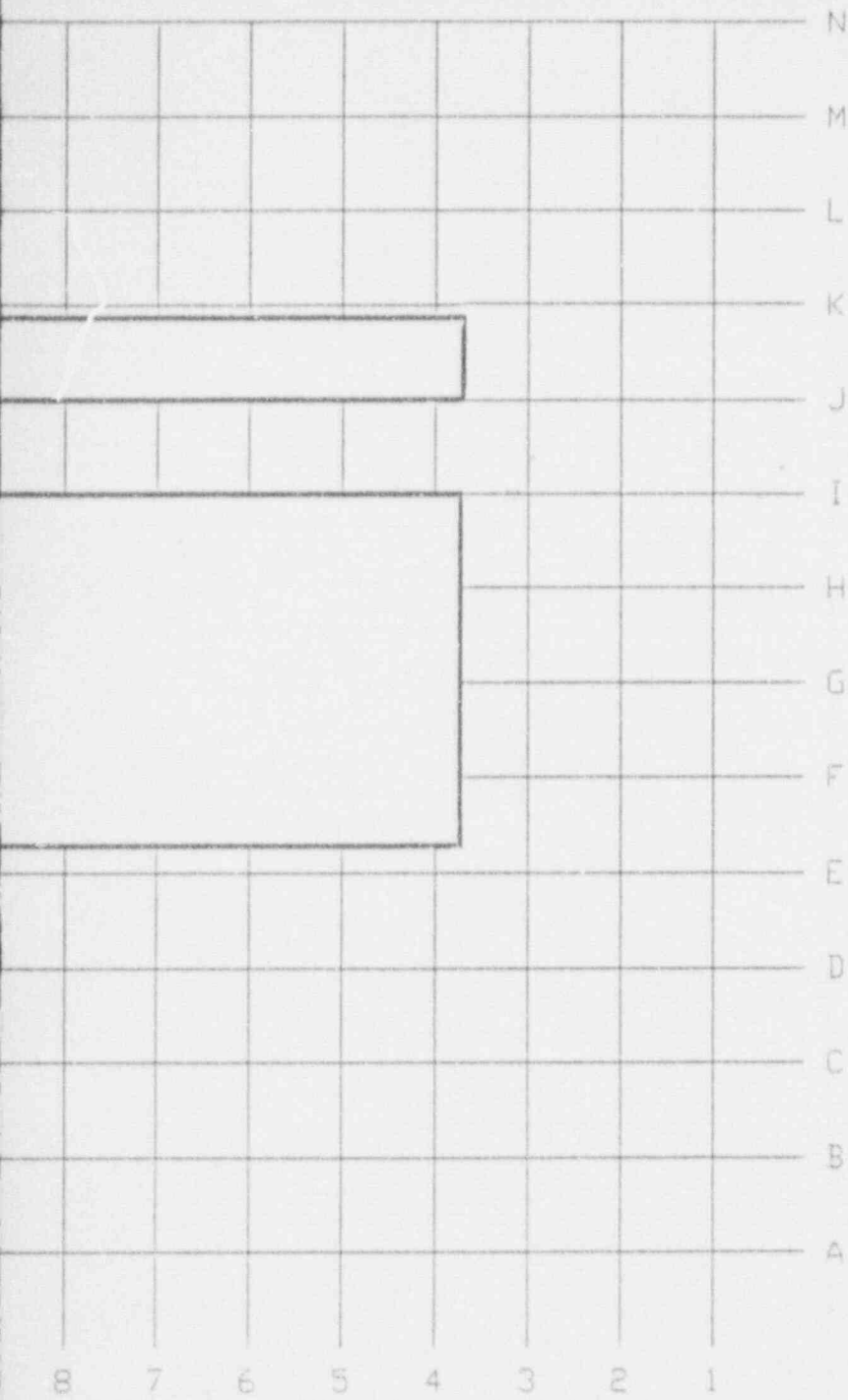


	RADIOLOGICAL SURVEY----FINAL
	LOCATION L- BLDG CHEM-LAB-C
KEYS	DRAWING SCALE 1/8"= 1' (21.2)
	GRID 2 METER
	ACAD FILE: DECON\CHEM-C2M

9212140147-27


SOUTH WALL
TOP VIEW
24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9
scale in meters
0 2 4 6 8 11 12 14
0 5 10 15 20 25 30 35 40
scale in feet
NORTH

SGM13



	RADIOLOGICAL SURVEY----FINAL
	LOCATION:L-3LDG. VAULT TOP VIEW
KEYS	DRAWING SCALE 1/8"= 1' 75
	GRID 2 METER
	ACAD FILE DECON\VLT3TOP

9212140147-28

LOWER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	1
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1 A2	<200	0	<200	0	0	0
1 A3	<200	0	<200	0	0	0
1 A4	<200	0	<200	0	0	0
1 A5	<200	0	<200	0	0	0
1 A6	<200	0	<200	0	0	0
1 A7	<200	0	<200	0	0	0
1 A8	<200	0	<200	0	0	0
1 A9	<200	0	<200	0	0	7
1 A10	<200	0	<200	0	0	7
1 A11	<200	0	<200	0	0	2
1 A12	<200	0	<200	0	12	0
1 A13	<200	0	<200	0	0	7
1 A14	<200	0	<200	0	0	0
1 A15	<200	0	<200	0	0	2
1 A16	<200	0	<200	0	6	2
1 A17	<200	0	<200	0	0	0
1 A18	<200	0	<200	0	0	2
1 A19	<200	0	<200	0	0	0
1 B1	<200	0	<200	0	0	0
1 B2	<200	0	<200	0	0	2
1 B3	<200	0	<200	0	6	2
1 B4	<200	0	<200	0	0	2
1 B5	<200	0	<200	0	0	2
1 B6	<200	0	<200	0	0	12
1 B7	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	1
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1-B-5	<200	556	<200	1053	0	0
1-B-6	<200	497	<200	837	0	0
1-B-7	<200	822	<200	1326	0	0
1-B-8	<200	686	<200	1014	0	0
1-C-5	<200	427	<200	1107	0	0
1-C-6	<200	923	<200	1134	0	0
1-C-7	<200	1097	<200	1456	3	0
1-C-8	<200	868	<200	1222	0	0
1-C-9	<200	194	<200	378	0	5
1-D-6	<200	291	<200	624	0	0
1-D-7	<200	478	<200	910	0	0
1-D-8	<200	510	<200	910	6	0
1-E-2	<200	421	<200	648	3	0
1-E-10	<200	232	<200	648	6	4

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	1
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1 C13	<200	0	<200	0	0	12
1 C14	<200	0	<200	0	0	2
1 C15	<200	0	<200	0	6	0
1 C16	<200	0	<200	0	0	7
1 C17	<200	0	<200	0	0	0
1 C18	<200	0	<200	0	0	0
1 C19	<200	0	<200	0	0	7
1 C20	<200	0	<200	0	0	2
1 D1	<200	0	<200	0	0	7
1 D2	<200	0	<200	0	6	0
1 D3	<200	0	<200	0	6	0
1 D4	<200	0	<200	0	0	5
1 D5	<200	0	<200	0	0	0
1 D6	<200	0	<200	0	0	5
1 D7	<200	0	<200	0	6	0
1 D8	<200	0	<200	0	0	11
1 D9	<200	0	<200	0	6	5
1 D10A	<200	0	<200	0	0	0
1 D11A	<200	0	<200	0	0	0
1 D12A	<200	0	<200	0	0	0
1 D13A	<200	0	<200	0	6	0
1 D14A	<200	0	<200	0	6	0
1 D15A	<200	0	<200	0	0	0
1 D16A	<200	0	<200	0	0	5
1 D17A	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	1
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1 D18A	<200	0	<200	0	0	5
1 D10B	<200	0	<200	0	0	0
1 D11B	<200	0	<200	0	0	0
1 D12B	<200	0	<200	0	0	0
1 D13B\	<200	0	<200	0	0	0
1 D14B	<200	0	<200	0	0	0
1 D15B	<200	0	<200	0	0	0
1 D16B	<200	0	<200	0	0	0
1 D17B	<200	0	<200	0	0	0
1 D18B	<200	0	<200	0	6	0
1 B19B	<200	0	<200	0	0	0
1 D20	<200	0	<200	0	0	5
1 E1	<200	0	<200	0	6	0
1 E2	<200	0	<200	0	6	5
1 E3	<200	0	<200	0	0	0
1 E4	<200	0	<200	0	0	0
1 E5	<200	0	<200	0	6	5
1 E6	<200	0	<200	0	0	0
1 E7	<200	0	<200	0	0	5
1 E8	<200	0	<200	0	0	0
1 E9	<200	0	<200	0	0	0
1 E10	<200	0	<200	0	0	0
1 E11	<200	0	<200	0	0	0
1 E12	<200	0	<200	0	6	0
1 E13	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	1
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1 E14	<200	0	<200	0	0	0
1 E15	<200	0	<200	0	0	0
1 E16	<200	0	<200	0	0	5
1 E17	<200	0	<200	0	0	0
1 E18	<200	0	<200	0	0	0
1 E19	<200	0	<200	0	6	5
1 E20	<200	0	<200	0	0	0
1 F2	<200	0	<200	0	6	0
1 F3	<200	0	<200	0	0	0
1 F4	<200	0	<200	0	6	0
1 F5	<200	0	<200	0	0	0
1 F6	<200	0	<200	0	0	5
1 F7	<200	0	<200	0	6	0
1 F8	<200	0	<200	0	0	0
1 F9	<200	0	<200	0	27	0
1 F10	<200	0	<200	0	0	0
1 F11	<200	0	<200	0	0	0
1 F12	<200	0	<200	0	0	5
1 F13	<200	0	<200	0	0	0
1 F14	<200	0	<200	0	0	0
1 F15	<200	0	<200	0	0	0
1 F16	<200	0	<200	0	0	0
1 F17	<200	0	<200	0	0	0
1 F18	<200	0	<200	0	0	0
1 F19	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	2
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
2 B3	<200	0	<200	0	0	0
2 B4	<200	0	<200	0	0	8
2 B5	<200	0	<200	0	0	24
2 B6	<200	0	<200	0	0	0
2 B7	<200	0	<200	0	1	0
2 B8	<200	0	<200	0	1	0
2 B9	<200	0	<200	0	0	0
2 B10	<200	0	<200	0	0	19
2 B11	<200	0	<200	0	1	0
2 B12	<200	0	<200	0	1	0
2 B13	<200	0	<200	0	0	0
2 B14	<200	0	<200	0	8	0
2 B15	<200	0	<200	0	1	5
2 B16	<200	0	<200	0	1	10
2 B17	<200	0	<200	0	0	0
2 B18	<200	0	<200	0	0	5
2 B19	<200	0	<200	0	0	0
2 B20	<200	0	<200	0	1	24
2 E1	<200	0	<200	0	12	5
2 E3	<200	0	<200	0	15	10
2 E4	<200	0	<200	0	8	0
2 E5	<200	0	<200	0	1	0
2 E6	<200	0	<200	0	0	0
2 E7	<200	0	<200	0	0	0
2 E8	<200	0	<200	0	1	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	2
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
2 E9	<200	0	<200	0	0	5
2 E10	<200	0	<200	0	8	0
2 E11	<200	0	<200	0	15	0
2 E12	<200	0	<200	0	8	0
2 E13	<200	0	<200	0	1	0
2 E14	<200	0	<200	0	1	5
2 E15	<200	0	<200	0	1	15
2 E16	<200	0	<200	0	1	0
2 E17	<200	0	<200	0	8	5
2 E18	<200	0	<200	0	0	0
2 E19	<200	0	<200	0	1	0
2 E20	<200	0	<200	0	1	5
2 H1	<200	0	<200	0	8	5
2 H2	<200	0	<200	0	8	5
2 H3	<200	0	<200	0	1	0
2 J4	<200	0	<200	0	1	0
2 H5	<200	0	<200	0	0	0
2 H6	<200	0	<200	0	15	0
2 H7	<200	0	<200	0	0	0
2 H8	<200	0	<200	0	15	0
2 H9	<200	0	<200	0	15	0
2 H10	<200	0	<200	0	0	0
2 H11	<200	0	<200	0	1	0
2 H12	<200	0	<200	0	1	5
2 H13	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	2
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
2 H14	<200	0	<200	0	8	10
2 H15	<200	0	<200	0	0	0
2 H16	<200	0	<200	0	1	5
2 J15	<200	0	<200	0	0	0
2 K15	<200	0	<200	0	8	0
2 L15	<200	0	<200	0	8	0
2 M15	<200	0	<200	0	0	15
2 N15	<200	0	<200	0	1	0
2 N18	<200	0	<200	0	8	0
2 N19	<200	0	<200	0	8	5
2 N20	<200	0	<200	0	0	0
2 I24	<200	0	<200	0	1	0
2 J24	<200	0	<200	0	8	19
2 K23	<200	0	<200	0	1	10
2 K21	<200	0	<200	0	1	10
2 H24	<200	0	<200	0	1	0
2 G26	<200	0	<200	0	22	15
2 F23	<200	0	<200	0	1	0
2 E25	<200	0	<200	0	0	0
2 D25	<200	0	<200	0	8	10
2 F26	<200	0	<200	0	0	0
2 D23	<200	0	<200	0	1	0
2 C23	<200	0	<200	0	0	5
2 H21	<200	0	770	0	8	5
2 I18	<200	0	<200	0	1	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	2
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
2 I19	<200	0	<200	0	8	15
2 I20	<200	0	<200	0	1	5
2 H18	<200	0	<200	0	1	10
2 H19	<200	0	<200	0	0	5
2 H20	<200	0	<200	0	0	5
2 G18	<200	0	<200	0	8	0
2 G19	<200	0	<200	0	1	5
2 G20	<200	0	<200	0	15	15
2 F18	<200	0	<200	0	1	5
2 F19	<200	0	<200	0	0	0
2 F20	<200	0	<200	0	8	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT III ENTRY	7
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
7 A4	<200	0	<200	0	0	1
7 A3	<200	0	<200	0	0	1
7 A2	<200	0	<200	0	6	1
7 A4A	<200	0	<200	0	3	4
7 A5A	<200	0	<200	0	6	1
7 A5	<200	0	<200	0	0	0
7 A6	<200	0	<200	0	3	1
7 B0	<200	0	<200	0	0	6
7 B2	<200	0	<200	0	0	0
7 B3	<200	0	<200	0	3	0
7 B4	<200	0	<200	0	0	1
7 B7	<200	0	<200	0	0	4
7 C0	<200	0	<200	0	0	1
7 C2	<200	0	<200	0	3	6
7 C3	<200	0	<200	0	0	1
7 C4	<200	0	<200	0	0	0
7 C5	<200	0	<200	0	0	6
7 C7A	<200	0	<200	0	0	1
7 C7B	<200	0	<200	0	0	1
7 D0	<200	0	<200	0	0	6
7 D2	<200	0	<200	0	6	1
7 D3	<200	0	<200	0	0	0
7 D4	<200	0	<200	0	0	4
7 D5	<200	0	<200	0	0	0
7 D7	<200	0	<200	0	3	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT III ENTRY	7
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
7 F2	<200	0	<200	0	3	6
7 F3	<200	0	<200	0	0	0
7 F4	<200	0	<200	0	0	6
7 F5	<200	0	<200	0	6	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART A	10
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
10 A3	<200	0	<200	0	0	2
10 A4	<200	0	<200	0	0	0
10 A5	<200	0	<200	0	10	13
10 A5A	<200	0	<200	0	0	2
10 A6	<200	0	<200	0	3	0
10 A7	<200	0	<200	0	0	0
10 A8	<200	0	<200	0	0	0
10 C1	<200	0	<200	0	10	0
10 C3	<200	0	<200	0	3	0
10 C4	<200	0	<200	0	0	0
10 C5	<200	0	<200	0	6	2
10 C6	<200	0	<200	0	3	7
10 C7	<200	0	<200	0	0	0
10 C8	<200	0	<200	0	3	0
10 C9A	<200	0	<200	0	0	0
10 C9B	<200	0	<200	0	0	5
10 D1	<200	0	<200	0	0	0
10 D3	<200	0	<200	0	0	7
10 D4	<200	0	<200	0	10	13
10 D5	<200	0	<200	0	0	2
10 D6	<200	0	<200	0	0	2
10 D7	<200	0	<200	0	3	0
10 D8	<200	0	<200	0	0	0
10 D9	<200	0	<200	0	0	0
10 F3	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART A	10
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
10 F4	<200	0	<200	0	0	0
10 F5	<200	0	<200	0	3	2
10 F6	<200	0	<200	0	0	0
10 F7	<200	0	<200	0	0	5
10 F8	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART B	11
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
11 A3	<200	0	<200	0	0	7
11 A4	<200	0	<200	0	0	0
11 A5	<200	0	<200	0	0	0
11 A6	<200	0	<200	0	0	0
11 A7	<200	0	<200	0	0	0
11 C1	<200	0	<200	0	0	0
11 C3	<200	0	<200	0	0	2
11 C4	<200	0	<200	0	0	7
11 C5	<200	0	<200	0	0	2
11 C6	<200	0	<200	0	3	0
11 C7	<200	0	<200	0	0	0
11 C9A	<200	0	<200	0	0	2
11 C9B	<200	0	<200	0	0	0
11 D1	<200	0	<200	0	9	2
11 D3	<200	0	<200	0	0	0
11 D4	<200	0	<200	0	0	0
11 D5	<200	0	<200	0	3	0
11 D6	<200	0	<200	0	0	7
11 D7	<200	0	<200	0	0	0
11 D9	<200	0	<200	0	0	0
11 F3	<200	0	<200	0	0	2
11 F4	<200	0	<200	0	3	0
11 F5	<200	0	<200	0	0	0
11 F6	<200	0	<200	0	0	2
11 F7	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART C	12
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
12 C4	<200	0	<200	0	3	0
12 C5	<200	0	<200	0	10	0
12 C6	<200	0	<200	0	0	0
12 C7	<200	0	<200	0	3	0
12 C9	<200	0	<200	0	0	2
12 C11	<200	0	<200	0	0	0
12 C13	<200	0	<200	0	10	5
12 C15	<200	0	<200	0	0	0
12 E6	<200	0	<200	0	0	0
12 E7	<200	0	<200	0	0	2
12 E8	<200	0	<200	0	6	0
12 E9	<200	0	<200	0	0	0
12 E10	<200	0	<200	0	3	2
12 E10A	<200	0	<200	0	0	2
12 E11	<200	0	<200	0	0	2
12 E12A	<200	0	<200	0	0	2
12 E12B	<200	0	<200	0	3	0
12 E13	<200	0	<200	0	0	0
12 G4A	<200	0	<200	0	0	0
12 G4B	<200	0	<200	0	0	0
12 G6	<200	0	<200	0	10	2
12 G7	<200	0	<200	0	0	2
12 G8	<200	0	<200	0	0	0
12 G9	<200	0	<200	0	6	0
12 G10	<200	0	<200	0	0	5

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART C	12
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm²)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
12 G11	<200	0	<200	0	0	2
12 G12A	<200	0	<200	0	0	2
12 G12B	<200	0	<200	0	0	0
12 G13	<200	0	<200	0	0	5
12 G15	<200	0	<200	0	10	2
12 H4	<200	0	<200	0	3	0
12 H6	<200	0	<200	0	6	0
12 H7	<200	0	<200	0	0	2
12 H8	<200	0	<200	0	0	2
12 H9	<200	0	<200	0	0	0
12 H10	<200	0	<200	0	10	7
12 H11	<200	0	<200	0	3	0
12 H12A	<200	0	<200	0	0	10
12 H12B	<200	0	<200	0	0	5
12 H13	<200	0	<200	0	0	2
12 H15	<200	0	<200	0	3	2
12 J6	<200	0	<200	0	3	2
12 J7	<200	0	<200	0	0	0
12 J8	<200	0	<200	0	6	0
12 J9	<200	0	<200	0	0	0
12 J10	<200	0	<200	0	0	2
12 J11	<200	0	<200	0	0	0
12 J12A	<200	0	<200	0	0	2
12 J12B	<200	0	<200	0	0	2
12 J13	<200	0	<200	0	3	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

VAULT	75
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
75-E18	<200	396	<200	792	1	0
75-F16	<200	677	<200	1008	0	0
75-F18	<200	647	<200	1023	1	2
75-F19	<200	383	<200	660	0	0
75-F20	<200	662	<200	936	0	0
75-G16	<200	684	<200	936	0	0
75-G17	<200	655	<200	972	1	0
75-G18	<200	772	<200	1151	0	0
75-G19	<200	792	<200	1188	0	0
75-G20	<200	733	<200	1023	0	0
75-H18	<200	568	<200	792	4	0

SHEET _____ of _____

UPPER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-B3	<200	761	<200	999	0	1
201-B4	<200	570	<200	756	23	6
201-B5	<200	778	<200	891	0	0
201-B6	<200	510	<200	925	0	6
201-B7	<200	610	<200	756	6	0
201-B8	<200	750	<200	1125	0	1
201-B9	<200	605	<200	1026	26	1
201-B10	<200	435	<200	550	0	0
201-B11	<200	535	<200	783	6	0
201-B12	<200	855	<200	1300	0	0
201-B13	<200	594	<200	972	0	0
201-B14	<200	595	<200	825	6	0
201-B15	<200	637	<200	783	2	0
201-B16	<200	675	<200	900	9	1
201-B17	<200	794	<200	1053	0	0
201-B18	<200	610	<200	700	0	0
201-B19	<200	675	<200	950	0	0
201-B20	<200	820	<200	1025	0	0
201-C3	<200	728	<200	1107	2	0
201-C4	<200	470	<200	650	0	1
201-C5	<200	648	<200	918	0	0
201-C6	<200	445	<200	675	0	0
201-C7	<200	545	<200	675	2	1
201-C8	<200	510	<200	825	0	0
201-C9	<200	637	<200	891	20	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-C10	<200	660	<200	1200	16	11
201-C11	<200	929	<200	1323	0	0
201-C12	<200	830	<200	1175	0	0
201-C13	<200	923	<200	1323	0	0
201-C14	<200	805	<200	1300	0	0
201-C15	<200	767	<200	1323	9	1
201-C16	<200	770	<200	950	0	1
201-C17	<200	832	<200	1161	2	0
201-C18	<200	745	<200	875	2	3
201-C19	<200	765	<200	1125	2	1
201-C20	<200	700	<200	900	6	0
201-E1	<200	605	<200	950	11	1
201-E2	<200	635	<200	825	0	4
201-E3	<200	529	<200	783	20	0
201-E4	<200	845	<200	1175	23	1
201-E5	<200	810	<200	1250	9	0
201-E6	<200	772	<200	1053	0	0
201-E7	<200	1053	<200	1323	0	1
201-E8	<200	805	<200	1400	0	0
201-E9	<200	915	<200	1275	0	0
201-E10	<200	810	<200	975	13	0
201-E11	<200	940	<200	1300	6	0
201-E12	<200	700	<200	1025	19	0
201-E13	<200	745	<200	1100	0	0
201-E14	<200	750	<200	1125	0	6

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-E15	<200	955	<200	1075	9	0
201-E16	<200	840	<200	1275	13	0
201-E17	<200	815	<200	1150	0	0
201-E18	<200	920	<200	1150	6	0
201-E19	<200	730	<200	950	0	0
201-E20	<200	945	<200	1125	0	0
201-E22	<200	812	<200	1204	5	6
201-E23	<200	823	<200	1008	8	6
201-F1	<200	686	<200	864	11	1
201-F2	<200	756	<200	1080	11	0
201-F3	<200	980	<200	1100	0	1
201-F4	<200	880	210	972	2	6
201-F5	<200	815	<200	1107	2	0
201-F6	<200	531	<200	729	0	3
201-F7	<200	573	<200	729	0	0
201-F8	<200	980	<200	1932	0	0
201-F9	<200	818	<200	1428	9	6
201-F10	<200	745	<200	1148	0	6
201-F11	<200	818	<200	1288	9	1
201-F12	<200	851	<200	1008	2	0
201-F13	<200	1450	<200	2100	2	8
201-F14	<200	915	<200	1325	13	3
201-F15	<200	1540	<200	1876	6	0
201-F16	<200	960	<200	1200	0	0
201-F17	<200	1406	<200	1624	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-F18	<200	865	<200	1050	6	3
201-F19	<200	1210	<200	1736	1	4
201-F20	<200	935	<200	1525	8	1
201-F22	<200	706	<200	1456	5	9
201-F23	<200	790	<200	924	0	4
201-G1	<200	718	<200	1053	1	1
201-G2	<200	783	<200	1134	11	1
201-G3	<200	900	<200	1200	0	0
201-G4	<200	1001	<200	1350	5	11
201-G5	<200	1080	<200	1500	1	0
201-A6	<200	595	<200	875	0	0
201-G7	<200	895	<200	956	0	0
201-G8	<200	660	<200	925	0	9
201-G9	<200	1080	<200	1350	1	4
201-G10	<200	772	<200	1134	8	0
201-G11	<200	842	<200	999	1	1
201-G12	<200	1112	<200	1404	11	4
201-G13	<200	1020	<200	1200	0	0
201-G14	<200	845	<200	1225	0	4
201-G15	<200	751	<200	1161	0	0
201-G16	<200	1010	<200	1161	5	11
201-G17	<200	826	<200	945	0	1
201-G18	<200	902	<200	1134	1	9
201-G19	<200	945	<200	1134	0	0
201-G20	<200	967	<200	1323	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-G22	<200	805	<200	1450	0	0
201-G23	<200	740	<200	875	0	0
201-H1	<200	605	<200	918	8	1
201-H3	<200	812	<200	1148	0	0
201-H4	<200	935	<200	1456	1[illegible]	1
201-H5	<200	1182	<200	1456	0	9
201-H6	<200	1428	<200	27[illegible]6	0	1
201-H7	<200	913	<200	1[illegible]60	8	4
201-H8	<200	1462	360	1708	1	4
201-H9	<200	875	<200	1[illegible]25	0	6
201-H10	<200	1008	<200	1[illegible]08	0	0
201-H11	<200	760	<200	950	8	1
201-H12	<200	1064	<200	1512	0	0
201-H13	<200	755	<200	1100	1	1
201-H14	<200	1271	<200	1484	1	1
201-H15	<200	815	<200	9[illegible]5	5	0
201-H16	<200	1310	<200	1876	0	0
201-H17	<200	955	<200	1225	0	6
201-H18	<200	1210	<200	1484	15	0
201-H19	<200	960	<200	1350	0	0
201-H20	<200	780	<200	825	0	0
201-H22	<200	835	<200	1500	1	6
201-H23	<200	825	<200	1275	1	0
201-J3	<200	929	<200	1350	15	0
201-J-4	<200	740	<200	945	11	0

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UNC *Naval Products*

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-J5	<200	972	<200	1377	1	1
201-J6	<200	767	<200	999	0	4
201-J7	<200	540	<200	864	0	0
201-J8	<200	616	<200	1053	5	6
201-J9	<200	571	<200	756	25	6
201-J10	<200	851	<200	1120	5	1
201-J11	<200	1086	<200	1932	8	6
201-J12	<200	599	<200	1316	0	1
201-J13	<200	756	<200	1316	5	11
201-J14	<200	459	<200	868	0	0
201-J15	<200	622	<200	756	1	0
201-J16	<200	1842	<200	6348	8	4
201-J17	<200	929	<200	1188	5	0
201-J18	<200	521	<200	756	8	11
201-J19	<200	524	<200	729	1	0
201-J20	<200	821	<200	1215	15	4
201-K3	<200	810	<200	1188	0	0
201-K4	<200	794	<200	1107	8	0
201-K5	<200	983	<200	1377	1	1
201-K6	<200	880	<200	1269	1	0
201-K7	<200	470	<200	891	0	4
201-K8	<200	783	<200	972	0	0
201-K9	<200	513	<200	729	0	0
201-K10	<200	605	<200	840	0	0
201-K11	<200	711	<200	1344	1	9

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201-K12	<200	834	<200	1176	15	0
201-K13	<200	812	<200	980	5	6
201-K14	<200	1152	<200	2604	5	9
201-K15	<200	750	<200	924	5	1
201-K16	<200	986	<200	2128	5	9
201-K17	<200	974	<200	1512	0	0
201-K18	<200	790	<200	1092	1	1
201-K19	<200	680	1350	1080	0	0
201-K20	<200	713	756	1188	8	6

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UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	202
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
202-D8	<200	0	<200	0	6	7
202-D9	<200	0	<200	0	6	2
202-D10	<200	0	<200	0	0	2
202-D11	<200	0	<200	0	0	0
202-D12	<200	0	<200	0	0	2
202-D13	<200	0	<200	0	0	2
202-D14	<200	20	<200	99	0	18
202-D15	<200	0	<200	0	0	7
202-D16	<200	53	<200	99	0	7
202-D17	<200	20	<200	99	6	0
202-D18	<200	0	<200	0	6	2
202-D19	<200	0	<200	0	0	0
202-D20	<200	13	<200	66	0	0
202-D21	<200	0	<200	0	0	7
202-D22	<200	20	<200	99	0	0
202-D23	<200	0	<200	0	0	0
202-D24	<200	0	<200	0	0	2
202-D25	<200	0	<200	0	0	0
202-G4	<200	0	<200	0	0	0
202-G5	<200	0	<200	0	0	0
202-G5A	<200	535	<200	2178	0	0
202-G28	<200	0	<200	0	4	0
202-H5	<200	1175	274	1518	0	0
202-H28	<200	0	<200	0	1	0
202-H29	<200	0	<200	0	11	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	202
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
202-I5	<200	1096	<200	1353	4	0
202-I28	<200	0	<200	0	0	0
202-J4	<200	1102	<200	1518	0	0
202-J5	<200	937	<200	1155	0	0
202-J28	<200	0	<200	0	1	0
202-J29	<200	0	<200	0	0	0
202-K5	<200	1208	<200	2211	0	0
202-K25	<200	0	<200	0	0	0
202-K28	<200	0	<200	0	1	0
202-M8	<200	954	<200	1170	0	0
202-M9	<200	972	<200	1710	0	7
202-M10	<200	936	<200	1200	6	7
202-M11	<200	823	<200	1380	0	2
202-M12	<200	876	<200	1350	0	2
202-M13	<200	1016	<200	1500	6	7
202-M14	<200	1142	<200	1386	0	7
202-M15	<200	1379	<200	2046	0	0
202-M16	<200	762	<200	1050	6	0
202-M17	<200	870	<200	1350	0	0
202-M18	<200	876	<200	1110	0	2
202-M19	<200	978	<200	1440	0	0
202-ROLL UP DOOR	<200	0	<200	0	5	0
202-M20	<200	828	<200	1110	6	0
202-M21	<200	672	<200	840	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT HALL	202
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
202-M22	<200	1452	<200	1650	0	0
202-M23	<200	1016	<200	1155	0	2
202-M23A	<200	1010	<200	1254	0	0
202-M24	<200	7	<200	33	0	0
202-M25	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

UNIT III ENTRY	207
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
207-C9	<200	0	<200	0	0	4
207-C10	<200	0	<200	0	0	2
207-C11	<200	0	<200	0	0	0
207-C12	<200	0	<200	0	0	0
207-E7	<200	0	<200	0	5	0
207-E14	<200	0	<200	0	0	4
207-F7	<200	0	<200	0	0	2
207-F7A	<200	0	<200	0	0	4
207-F14	<200	0	<200	0	0	0
207-G7	<200	0	<200	0	0	0
207-G14	<200	20	<200	99	0	0
207-G14A	<200	598	<200	828	0	0
207-I9	<200	0	<200	0	5	0
207-I10	<200	0	<200	0	0	0
207-I10A	<200	0	<200	0	0	0
207-I10B	<200	590	<200	828	2	0
207-I11	<200	626	<200	936	0	0
207-I12	<200	490	<200	1224	0	7

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART A	210
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
210-C9	<200	0	<200	0	0	0
210-C10	<200	0	<200	0	0	0
210-D8	<200	0	<200	0	0	0
210-D9	<200	0	<200	0	0	2
210-D10	<200	0	<200	0	6	2
210-D10A	<200	0	<200	0	0	2
210-D11	<200	33	<200	165	0	0
210-D12	<200	0	<200	0	0	0
210-D13	<200	0	<200	0	0	0
210-F6	<200	0	<200	0	0	0
210-F8	<200	0	<200	0	8	0
210-F9	<200	0	<200	0	4	0
210-F14	<200	0	<200	0	0	2
210-F14A	<200	0	<200	0	0	0
210-G5	<200	0	<200	0	0	0
210-G6	<200	0	<200	0	6	0
210-G11	<200	0	<200	0	0	0
210-G12	<200	0	<200	0	0	0
210-G14	<200	0	<200	0	0	7
210-I8	<200	0	<200	0	6	2
210-I9	<200	26	<200	132	0	2
210-I10	<200	13	<200	66	0	0
210-I11	<200	59	<200	231	6	2
210-I12	<200	40	<200	132	0	0
210-I13	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART B	211
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
211-C12	<200	0	<200	0	13	0
211-D9	<200	27	<200	134	0	2
211-D10	<200	0	<200	0	0	0
211-D11	<200	0	<200	0	0	0
211-D12	<200	0	<200	0	0	0
211-D13	<200	0	<200	0	0	0
211-F7	<200	0	<200	0	0	2
211-F9	<200	0	<200	0	4	0
211-F10	<200	0	<200	0	1	0
211-F11	<200	0	<200	0	0	0
211-F14	<200	0	<200	0	0	2
211-F14A	<200	0	<200	0	0	2
211-G7	<200	0	<200	0	6	0
211-G9	<200	0	<200	0	0	0
211-G10	<200	0	<200	0	0	0
211-G11	<200	0	<200	0	0	0
211-G12	<200	0	<200	0	0	0
211-G14	<200	53	<200	165	0	2
211-I9	<200	0	<200	0	6	2
211-I10	<200	106	<200	264	0	7
211-I11	<200	26	<200	132	6	0
211-I12	<200	26	<200	132	0	0
211-I13	<200	0	<200	0	0	7

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART C	212
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
212-B2	<200	59	<200	297	0	0
212-B3	<200	0	<200	0	0	0
212-B4	<200	0	<200	0	0	0
212-B5	<200	0	<200	0	0	0
212-D8	<200	0	<200	0	0	0
212-D11	<200	0	<200	0	3	0
212-D13	<200	0	<200	0	4	0
212-E8	<200	0	<200	0	0	0
212-E9	<200	0	<200	0	0	0
212-E9A	<200	0	<200	0	0	0
212-E10	<200	0	<200	0	4	2
212-E11	<200	0	<200	0	0	2
212-E12	<200	0	<200	0	0	0
212-E12A	<200	0	<200	0	0	0
212-E13	<200	0	<200	0	2	0
212-E14	<200	0	<200	0	0	2
212-E15	<200		<200	0	0	0
212-G5	<200	0	<200	0	0	0
212-G6	<200	0	<200	0	0	0
212-G6A	<200	0	<200	0	1	0
212-G17	<200	0	<200	0	0	0
212-G18	<200	0	<200	0	0	3
212-H6	<200	0	<200	0	0	0
212-H15	<200	0	<200	0	1	0
212-H17	<200	0	<200	0	1	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

CHEM LAB PART C	212
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
212-J8	<200	0	<200	0	1	0
212-J9	<200	0	<200	0	0	0
212-J10	<200	0	<200	0	4	0
212-J11	<200	0	<200	0	0	0
212-J12	<200	73	<200	363	0	0
212-J13	<200	0	<200	0	1	0
212-J14	<200	0	<200	0	0	0
212-J15	<200	0	<200	0	0	0

SHEET _____ of _____

SPECIAL SURVEYS

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L-VAULT SHELVES	201A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
201A MR-1	<200	43	<200	108	7	0
201A NR-1	<200	11	<200	54	0	0
201A OR-1	<200	97	<200	297	7	0
201A PR-1	<200	38	<200	189	7	0
201A QR-1	<200	11	<200	54	0	0
201A RR-1	<200	0	<200	0	0	0
201A SR-1	<200	81	<200	405	0	0
201A TR-1	<200	0	<200	0	0	0
201A UR-1	<200	38	<200	108	0	0
201A AL-1	<200	0	<200	0	0	0
201A BL-1	<200	205	<200	567	0	0
201A CL-1	<200	22	<200	54	0	0
201A DL-1	<200	0	<200	0	0	0
201A EL-1	<200	0	<200	0	7	0
201A FL-1	<200	0	<200	0	0	0
201A GL-1	<200	0	<200	0	7	0
201A HL-1	<200	0	<200	0	0	0
201A IL-1	<200	67	<200	336	0	0
201A JL-1	<200	22	<200	112	0	0
201A KL-1	<200	11	<200	56	0	0
201A LL-1	<200	17	<200	84	0	0
201A ML-1	<200	0	<200	0	0	0
201A VB-1	<200	124	<200	324	0	0
201A WF-1	<200	16	<200	81	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1A TV-1	<200	0	<200	0	5	3
1A TV-2	<200	0	<200	0	0	0
1A TV-3	<200	0	<200	0	0	0
1A TV-4	<200	0	<200	0	0	3
1A TV-5	<200	0	<200	0	0	0
1A TV-6	<200	0	<200	0	2	1
1A TV-7	<200	0	<200	0	0	0
1A TV-8	<200	0	<200	0	2	3
1A TV-9	<200	0	<200	0	2	0
1AWF-2	<200	0	<200	0	0	0
1A AL-1	<200	0	<200	0	0	0
1A BL-1	<200	0	<200	0	0	3
1A CL-1	<200	0	<200	0	0	0
1A DL-1	<200	0	<200	0	0	0
1A EL-1	<200	0	<200	0	0	0
1A FL-1	<200	0	<200	0	0	0
1A GL-1	<200	0	<200	0	0	0
1A HL-1	<200	0	<200	0	0	1
1A IL-1	<200	0	<200	0	0	1
1A JL-1	<200	0	<200	0	0	0
1A KL-1	<200	0	<200	0	0	0
1A LL-1	<200	0	<200	0	0	0
1A ML-2	<200	0	<200	0	2	6
1A NR-1	<200	0	<200	0	0	0
1A OR-1	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

L VAULT	201A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
1A PR-1	<200	0	<200	0	0	0
1A QR-1	<200	0	<200	0	0	0
1A RR-1	<200	0	<200	0	0	0
1A SR-1	<200	0	<200	0	0	0
1A TR-1	<200	0	<200	0	0	0
1A UR-2	<200	0	<200	0	0	1
1A VB-2	<200	0	<200	0	0	0

SHEET _____ of _____

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. PIETRAS / 2/6/92	Counted By/Date:	R. CUSANO / 2/6/92

Counter Number:	T3	Efficiency Factor:	Alpha 0.298	Beta/Gamma 0.395	Background:	Alpha 0.7	Beta/Gamma 2.1

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff (%)	Multi Factor	Cal. Due	Source Check	
Alpha	RP	2/6/92	89635	080917	4	14	14.3	4/30/92	x	
Beta/Gamma	RP	2/6/92	84485	080906	51	20	32.3	3/5/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area HALL TO VAULT L-BLDG -ABOVE CEILING 207

Description: SPRINKLERS

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
SPRINKLER -SMALL	3	0	0	0	N/A	N/A	0	2	0	0
NORTH TO SOUTH	2	0	0	0	N/A	N/A	0	3	0	2
NORTH TO SOUTH A	0	0	0	0	N/A	N/A	1	2	1	0
NORTH TO SOUTH B	0	0	0	0	N/A	N/A	0	1	0	0
SPRINKLER LARGE	0	0	0	0	N/A	N/A	0	1	0	0
EAST TO WEST	0	0	0	0	N/A	N/A	0	2	0	0
EAST TO WEST A	0	0	0	0	N/A	N/A	1	2	1	0
MAIN SPRINKLER	0	0	0	0	N/A	N/A	0	1	0	0
EAST TO WEST B	0	0	0	0	N/A	N/A	2	2	4	0
EAST TO WEST C	0	0	0	0	N/A	N/A	1	0	1	0
EAST TO WEST D	0	0	0	0	N/A	N/A	1	0	1	0
EAST TO WEST E	0	0	0	0	N/A	N/A	1	0	1	0

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. PIETRAS / 2-6-92	Counted By/Date:	R. CUSANO / 2-6-92

Counter Number:	T-3	Efficiency Factor:	Alpha 0.288	Beta/Gamma 0.381	Background:	Alpha 0.3	Beta/Gamma 2

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RP	2/6/92	89635	'080917	1	23	8.7	4/30/92	x	
Beta/Gamma	RP	2/6/92	84465	'080919	50	20	32.3	3/5/92	x	
Micro R										

* Background for meters taken in non-fuel area

Area HALL TO VAULT L BUILDING ABOVE CEILING MAP 207

Description: SPRINKLERS

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
NORTH WALL A	1	0	0	0	N/A	N/A	1	0	2	0
NORTH WALL B	1	0	0	0	N/A	N/A	1	0	2	0
WATER PIPE A	0	2	0	0	N/A	N/A	1	0	2	0
WATER PIPE B	0	0	0	0	N/A	N/A	2	2	6	0
WATER PIPE C	0	0	0	0	N/A	N/A	0	1	0	0
LOWER DUCT A	1	0	0	0	N/A	N/A	1	2	2	0
LOWER DUCT B	0	0	0	0	N/A	N/A	0	2	0	0
UPPER DUCT	0	0	0	0	N/A	N/A	0	1	0	0
SPRINKLER PIPE A	0	0	0	0	N/A	N/A	0	1	0	0
SPRINKLER PIPE B	0	0	0	0	N/A	N/A	0	2	0	0

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	T. PROSPERT / 11-8-91	Counted By/Date:	R. GREEN / 11-8-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.6	Beta/Gamma 2.3

SURVEY	Initials	Date	Instrument SN	Probe SN	Bknd *	Eff (%)	Multi Factor	Cal. Due	Source Check	
Alpha	TP	11/8/91	84431	'080918	2	21	9.5	1/17/92	x	
Beta/Gamma	RG	11-8-91	84498	'080907	45	19	34.0	2/4/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area L- VAULT

Description: VENTS - LEFT & RIGHT #1 AT DOOR END

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
R-1 A (NORTH EAST)	3	45	10	0	N/A	N/A	0	4	0	4
R-1B	N/A	N/A	N/A	N/A	N/A	N/A	2	2	5	0
R-2 A	3	45	10	0	N/A	N/A	0	0	0	0
R-2 B	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	0
R-3A	2	45	0	0	N/A	N/A	0	0	0	0
R-3 B	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0
R-5A	3	45	10	0	N/A	N/A	2	2	5	0
R-4 B	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	0
L-1A	2	45	0	0	N/A	N/A	0	2	0	0
L-1 B	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	0
L-2A	3	45	10	0	N/A	N/A	0	0	0	0
L-2 B	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	0
L-3 A	3	45	10	0	N/A	N/A	0	0	0	0
L-3B	N/A	N/A	N/A	N/A	N/A	N/A	2	0	5	0
L-4A	1	45	0	0	N/A	N/A	0	0	0	0
L-4 B	N/A	N/A	N/A	N/A	N/A	N/A	2	4	5	4
L-5 A (SOUTH WEST)	4	45	19	0	N/A	N/A	0	2	0	0
L-5 B	N/A	N/A	N/A	N/A	N/A	N/A	0	4	0	4

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 10-28-91	Counted By/Date:	R. CUSANO / 10-29-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.276	Beta/Gamma 0.395	Background:	Alpha 0.1	Beta/Gamma 1.1

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff (%)	Multi Factor	Cal. Due	Source Check	
Alpha	RAC	10-29-91	84484	080909	5	20	10.0	1/29/92	x	
Beta/Gamma	TJP	12/[illegible]-91	A293R	7955	44	25	25.8	12/14/91	x	

[illegible] or meters taken in non-fuel area.

[illegible] AREA 201

Description: WALL MOUNTED ELECTRICAL, ETC.

[illegible] AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
EAST WALL AIR FLOW LGT	5	63	0	490	N/A	N/A	0	1	0	0
EAST WALL MOT. DETEC	5	61	0	439	N/A	N/A	1	2	3	2
EAST WALL CAM. #56	5	63	0	490	N/A	N/A	1	0	3	0
NORTH WALL CAM	5	59	0	387	N/A	N/A	2	0	7	0
NORTH WALL ALARM #42	5	52	0	206	N/A	N/A	0	3	0	5
WEST WALL MOT. DETEC	5	54	0	258	N/A	N/A	0	1	0	0
SOUTH WALL F.O. BOX	[illegible]	48	0	103	N/A	N/A	1	1	3	0
SOUTH WALL ALARM #41	5	60	0	413	N/A	N/A	2	1	7	0
SOUTH WALL SPEAKER	5	56	0	310	N/A	N/A	0	1	0	0
WEST WALL SPEAKER	5	66	0	568	N/A	N/A	1	3	3	5
WEST WALL MOT. DETEC (B)	5	47	0	77	N/A	N/A	0	1	0	0
NORTH WALL CAM. BOX (B)	5	47	0	77	N/A	N/A	0	1	0	0
NORTH WALL TELEPHONE	5	61	0	439	N/A	N/A	0	1	0	0
NORTH WALL THERMO	5	57	0	335	N/A	N/A	0	2	0	2
NORTH WALL JUNCT. BOX	5	64	0	516	N/A	N/A	0	0	0	0
CENTER RM. OUTLET BX	5	60	0	413	N/A	N/A	1	4	3	7
EAST WALL THERMO	5	55	0	284	N/A	N/A	1	1	3	0
EAST TO WEST SMK. DETEC. (A)	5	80	0	929	N/A	N/A	2	1	7	0
EAST TO WEST SM. DETEC. (B)	5	63	0	490	N/A	N/A	2	1	7	0
EAST TO WEST SM. DETEC. (C)	5	69	0	645	N/A	N/A	0	4	0	7
EAST TO WEST SMK. DETEC. (D)	5	74	0	774	N/A	N/A	0	2	0	2
EAST TO WEST SMK. DETEC. (E)	5	75	0	800	N/A	N/A	0	1	0	0
EAST TO WEST SMK. DETC. (F)	5	64	0	516	N/A	N/A	1	2	3	2

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	W. DOYLE / 11/8/91	Counted By/Date:	W. DOYLE / 11/9/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.2	Beta/Gamma 1.2

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd *	Eff (%)	Multi Factor	Cal. Due	Source Check	
Alpha	WD	11/8/91	84735	'080915	5	28	7.1	1/29/92	x	
Beta/Gamma	WD	11/8/91	84465	'080919	50	20	32.3	2/6/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area DOOR 22 ROLL UP

Description: INSIDE LIP OF HOUSING

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
DOOR 22 A	12	54	50	129	N/A	N/A	0	0	0	0
DOOR 22 B	16	54	79	129	N/A	N/A	2		6	2
DOOR 22 C	5	54	0	129	N/A	N/A	0	0	0	0

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: AL-10

ALPHA Surveyed By: G Bartelo Date: 2/25/91 Page No. 78

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	0	4	42	
MID	3	0	3	31.5	
RIGHT	2	0	2	21	
MAX. PT.	7	0	7	84	

ALPHA Surveyed By: G Bartelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	0	3	31.5	
MID	5	0	5	52.5	
RIGHT	8	0	8	84	
L END	9	0	9	94.5	
END	15	0	15	157.5	
MAX. PT.	29	0	29	348 JC	

ALPHA Surveyed By: G Bartelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	8	0	8	84	
MID	2	0	2	21	
RIGHT	6	0	6	63	
MAX PT.	9	0	9	168 JC	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	1.8	.9	6	2
	0	.9	0	2

REVIEWED BY: [illegible] DATE: 4-19-91 SS 9

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: B2-10

BETA/GAMMA Surveyed By: J. Capizzano Date: 2/22/91 Page No. 77

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	43	51	0	0	
MID	31	51	0	0	
RIGHT	50	51	0	0	
MAX. PT.	None				

BETA/GAMMA Surveyed By: J. Capizzano Date: 2/22/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	51	0	0	
MID	53	51	2	54	
RIGHT	52	51	1	27	
L END	47	51	0	0	
END	53	51	2	54	
MAX. PT.	No Max				

BETA/GAMMA Surveyed By: J. Capizzano Date: 2/22/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	34	51	0	0	
MID	39	51	0	0	
RIGHT	33	51	0	0	
MAX. PT.	Normal				

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91 SS 10

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: AL-11

ALPHA Surveyed By: G Portelo Date: 2/25/91 Page No. 75

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	0	5	52.5	
MID	4	0	4	42	
RIGHT	7	0	7	73.5	
MAX. PT.	7	0	7	73.5 JC	

ALPHA Surveyed By: G Portelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	0	5	52.5	
MID	1	0	1	10.5	
RIGHT	1	0	1	10.5	
L END	7	0	7	73.5	
END	8	0	8	84	
MAX. PT.	8	0	8	84 JC	

ALPHA Surveyed By: G Portelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	14	0	14	147	
MID	7	0	7	73.5	
RIGHT	16	0	16	168	
MAX PT.	16	0	16	168 JC	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	0	2.9	0	7
	0	2.9	0	7

REVIEWED BY: [illegible] DATE: 4-19-91 SS 11

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: RL-11

BETA/GAMMA Surveyed By: J Capizzano Date: 2/22/91 Page No. 76

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	46	49	0	0	
MID	48	49	0	0	
RIGHT	41	49	0	0	
MAX. PT.	No max				

BETA/GAMMA Surveyed By: J Capizzano Date: 2/22/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	34	49	0	0	
MID	41	49	0	0	
RIGHT	23	49	0	0	
L END	41	49	0	0	
END	45	49	0	0	
MAX. PT.	No max			GP	

BETA/GAMMA Surveyed By: J. Capizzano Date: 2/22/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	49	0	0	
MID	38	49	0	0	
RIGHT	35	49	0	0	
MAX. PT.	No max				

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91 SS 12

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: BL10

ALPHA Surveyed By: G Partelo Date: 2/25/91 Page No. 72

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	0	6	63	
MID	5	0	5	52.5	
RIGHT	4	0	4	42	
MAX. PT.	20	0	20	210	

ALPHA Surveyed By: G Partelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	0	4	42	
MID	4	0	4	42	
RIGHT	4	0	4	42	
L END	7	0	7	73.5	
R END	6	0	6	63	
MAX. PT.	10	0	10	105	

ALPHA Surveyed By: G Partelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	7	0	7	73.5	
MID	3	0	3	31.5	
RIGHT	9	0	9	94.5	
MAX PT.	20	0	20	210	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	0	2.9	0	7
	0	2.9	0	7

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: BL-10

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91 Page No. 73

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	54	0	0	
MID	46	54	0	0	
RIGHT	51	54	0	0	
MAX. PT.	51	52	0	0	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	54	0	0	
MID	29				
RIGHT	43				
L END	49				
END	35				
MAX. PT.	43	52			

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	54	0	0	
MID	49				
RIGHT	51				
MAX. PT.	58	52	6	162	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91 SS 14

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: BL-11

ALPHA Surveyed By: G Partelo Date: 2/25/91 Page No. 66

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	0	1	10.5	
MID	7	0	7	73.5	
RIGHT	3	0	3	31.5	
MAX. PT.	20	0	20	210 cr	

ALPHA Surveyed By: G Partelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	10	0	10	105	
MID	2		2	21	
RIGHT	6		6	63	
L END	9		9	94.5	
R END	14		14	147	
MAX. PT	20		20	210 cr	

ALPHA Surveyed By: G Partelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	10	0	10	105	
MID	10		10	105	
RIGHT	3		3	31.5	
MAX PT.	20		20	210 cr	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	1.8	0	6	0
	0	.9	0	2

REVIEWED BY: [signature] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: B2-11

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91 Page No. 67

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	56	0	0	
MID	50	↓	↓	↓	
RIGHT	30	↓	↓	↓	
MAX. PT.	50	52	↓	↓ JK	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	37	56	0	0	
MID	48	↓	↓	↓	
RIGHT	41	↓	↓	↓	
L END	51	↓	↓	↓	
END	42	↓	↓	↓	
MAX. PT.	49	52	↓	↓ JK	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	52	56	0	0	
MID	51	↓	0	0	
RIGHT	53	↓	1	23	
MAX. PT.	48	52	0	0 JK	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: BL-12

ALPHA Surveyed By: G Pantelo Date: 2/25/91 Page No. 67

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	0	5	52.5	
MID	5	0	5	52.5	
RIGHT	4	0	4	42	
MAX. PT.	5	0	5	52.5	

ALPHA Surveyed By: G Pantelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	12	0	12	126	
MID	5	0	5	52.5	
RIGHT	7	0	7	73.5	
L END	10	0	10	105	
R END	10	0	10	105	
MAX. PT.	30	0	30	315 fm	

ALPHA Surveyed By: G Pantelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	57	0	57	598.5	
MID	34	0	34	357	
RIGHT	68	0	68	714	
MAX PT.	83	0	83	871 fm	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	1.8	0	6	0
	0	.9	0	2

REVIEWED BY: [illegible] DATE: 4-19-91 SS 17

UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: B6-12

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91 Page No. 90

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	57	46	11	297	
MID	49	46	3	81	
RIGHT	43	46	0	0	
MAX. PT.	50	48	2	54 JK	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	46	46	0	0	
MID	53	46	7	189	
RIGHT	36	46	0	0	
L END	40	46	0	0	
R END	28	46	0	0	
MAX. PT.	42	48	0	0	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	56	46	10	270	
MID	58	46	12	324	
RIGHT	51	46	5	135	
MAX. PT.	57	48	9	243 JK	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: 66-13

ALPHA Surveyed By: G. Portelo Date: 2/25/91 Page No. 63

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	0	4	42	
MID	2		2	21	
RIGHT	4		4	42	
MAX. PT.	4		4	42	

ALPHA Surveyed By: G. Portelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	0	42	441	
MID	29		29	304.5	
RIGHT	1		1	10.5	
L END	19		19	199.5	
R END	7		7	73.5	
MAX. PT.	42		42	441	

ALPHA Surveyed By: G. Portelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	26	0	26	273	
MID	12		12	126	
RIGHT	20		20	210	
MAX PT.	39		37	401	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	7.8	0	26	0
	1.8	.9	6	2

REVIEWED BY: [illegible] DATE: 4-19-91 SS 19

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: RL-13

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91 Page No. 64

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	33	54	0	0	
MID	45	↓	↓	↓	
RIGHT	42				
MAX. PT.	51	52		JC	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	46	54	0	0	
MID	42	↓	↓	↓	
RIGHT	44				
L END	39				
R END	42				
MAX. PT.	48	52		JC	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	61	54	0	0	
MID	39	↓	↓	↓	
RIGHT	51				
MAX. PT.	44	52			

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 20

REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: BL-14

ALPHA Surveyed By: G Pastela Date: 2/25/91 Page No. 60

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	0	1	10.5	
MID	6		6	63	
RIGHT	7		7	73.5	
MAX. PT.	7		7	73.5 GP	

ALPHA Surveyed By: G Pastela Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	~~38~~ 36	0	36	378	
MID	~~46~~ 27		27	283.5	
RIGHT	5		5	52.5	
L END	15		15	157.5	
R END	4		4	42	
MAX. PT.	36		36	378 GP	

ALPHA Surveyed By: G Pastela Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	21	0	21	220.5	
MID	16		16	168	
RIGHT	13		13	136.5	
MAX PT.	21		21	220.5 GP	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	3.8	9	13	2
	1.8	0	6	0

REVIEWED BY: [signature] DATE: 4-19-91 SS 21

UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: BL-14

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91 Page No. 61

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	38	41	0	0	
MID	40	41	0	0	
RIGHT	59	40	17	459	
MAX. PT.	64	47	17	459	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/27/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	41	0	0	
MID	46	41	5	135	
RIGHT	36	41	0	0	
L END	38	41	0	0	
END	47	41	6	162	
MAX. PT.	47	41	6	162	

BETA/GAMMA Surveyed By: J. Capizzano Date: 2/27/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	57	41	16	432	
MID	44	41	3	81	
RIGHT	40	41	0	0	
MAX. PT.	51	47	4	192	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Ka
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91

SS 22

See resurvey attached

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: B2-15

ALPHA Surveyed By: G Pastelo Date: 2/25/91 Page No. 55

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	8	0	8	84	
MID	4	0	4	42	
RIGHT	4	0	4	42	
MAX. PT.	8	0	8	84 GD	

ALPHA Surveyed By: G Pastelo Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	33	0	33	346.5	
MID	16		16	168	
RIGHT	3		3	31.5	
L END	8		8	84	
R END	17		17	178.5	
MAX. PT.	33	0	33	346.5 GP	

ALPHA Surveyed By: G Pastelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	20	0	20	210	
MID	38	0	38	399	
RIGHT	93	0	93	976.5	
MAX PT.	547	3	544	6528 GP	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	.9	0	2
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91 SS 23

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: 02-15

Sel survey attached

BETA/GAMMA Surveyed By: J Capizzano Date: 2/22/91 Page No. 56

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	36	44	0	0	
MID	39	44	0	0	
RIGHT	45	44	1	23	
MAX. PT.	40	48	0	0	

BETA/GAMMA Surveyed By: J Capizzano Date: 2/22/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	40	44	0	0	
MID	43				
RIGHT	42				
L END	41				
END	26				
MAX. PT.	43	48			

BETA/GAMMA Surveyed By: J Capizzano Date: 2/22/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	44	6	162	
MID	44	44	0	0	
RIGHT	52	44	8	216	
MAX. PT.	204	48	156	7488	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [illegible] DATE: 4-19-91

SS 24

Roadway

UNC NAVAL PRODUCTS
FACILITY TREE RELEASE SURVEY SHEET
SURVEY BLOCK: BL-15

ALPHA Surveyed By: _____ Date: _____ Page No. #58

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT					
MID					
RIGHT					
MAX. PT.					

ALPHA Surveyed By: _____ Date: _____

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT					
MID					
RIGHT					
L END					
R END					
MAX. PT.					

ALPHA Surveyed By: G Pantelo Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	1	0	0	
MID	✓	✓	✓	✓	
RIGHT	✓	✓	✓	✓	
MAX PT.	81	1	80	9600	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [signature] DATE: 4-19-91

SS 25

Resurvey

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: _____

BETA/GAMMA Surveyed By: _____ Date: _____ Page No. 159

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT					
MID					
RIGHT					
MAX. PT.					

BETA/GAMMA Surveyed By: _____ Date: _____

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT					
MID					
RIGHT					
L END					
END					
MAX. PT.					

BETA/GAMMA Surveyed By: T. Prospert Date: 3/8/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	55	55	0	0	
MID	↓	↓		↓	
RIGHT					
MAX. PT.	↓	↓	↓	↓	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 26

REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-16

ALPHA Surveyed By: J Kutia Date: 2/25/91 Page No. 52

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	36	
MID	3	1	2	24	
RIGHT	5	1	4	48	
MAX. PT.	5	1	4	48	JC 2/25/91

ALPHA Surveyed By: J Kutia Date: 2/25/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	1	4	48	
MID	4	↓	3	36	
RIGHT	7		6	72	
L END	12		11	132	
R END	26		25	300	
MAX. PT.	26	↓	25	300	JC 2/25/91

ALPHA Surveyed By: J Kutia Date: 2/25/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	24	1	23	276	
MID	124	1	123	1476	
RIGHT	61	1	60	720	
MAX PT.	180	1	179	2160	JC 2/25/91

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	5.7	2.7	20	6
	1.7	.7	5	1

REVIEWED BY: [illegible] DATE: 4-17-91 SS 27

UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: C6-10

BETA/GAMMA Surveyed By: J Murphy Date: 2/26/91 Page No. 53

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	58	0	0	
MID	39				
RIGHT	44				
MAX. PT.	45	52			

BETA/GAMMA Surveyed By: J Murphy Date: 2/26/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	43	58	0	0	
MID	31				
RIGHT	41				
L END	39				
END	33				
MAX. PT.	49	52			

BETA/GAMMA Surveyed By: J Murphy Date: 2/26/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	56	58	0	0	
MID	72		14	318	
RIGHT	45		0	0	
MAX. PT.	90	52	38	1102	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 28

REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: C6-11

ALPHA Surveyed By: J. Kutia Date: 2-25-91 Page No. 49

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	60	
MID	3	1	2	24	
RIGHT	9	1	8	96	
MAX. PT.	9	1	8	96	5c

ALPHA Surveyed By: J. Kutia Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	16	1	15	180	
MID	4	1	3	36	
RIGHT	12	1	11	132	
L END	5	1	4	48	
R END	10	1	9	108	
MAX. PT.	21	1	20	240 5c	

ALPHA Surveyed By: J. Kutia Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	72	1	71	862	
MID	60	1	59	708	
RIGHT	38	1	37	444	
MAX PT.	121	1	120	1440	5c

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	1.7	0	5	0
	0	.7	0	1

REVIEWED BY: [illegible] DATE: 4-18-91 SS 29

UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: C-11

BETA/GAMMA Surveyed By: J. Murphy Date: 2-26-91 Page No. 50

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	48	0	0	
MID	42	48	0	0	
RIGHT	43	48	0	0	
MAX. PT.	NO MAX.				

BETA/GAMMA Surveyed By: J Murphy Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	35	48	0	0	
MID	45	48	0	0	
RIGHT	53	48	5	135	
L END	41	48	0	0	
END	35	48	0	0	
MAX. PT.	53	48	5	135	5m

BETA/GAMMA Surveyed By: J. Murphy Date: 2-26-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	47	48	0	0	
MID	64	48	16	432	
RIGHT	56	48	8	216	
MAX. PT.	80	52	28	812	6P

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 30

REVIEWED BY: JFS DATE: 4-17-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: C2-12

ALPHA Surveyed By: J. Kurin Date: 2-25-91 Page No. 46

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	4	1	3	36	
RIGHT	5	1	4	48	
MAX. PT.	5	1	4	48	JC

ALPHA Surveyed By: J. Kurin Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	5	1	4	48	
RIGHT	4	1	3	36	
L END	3	1	2	24	
R END	5	1	4	48	
MAX. PT.	5	1	4	48	JC

ALPHA Surveyed By: J. Kurin Date: 2-25-91

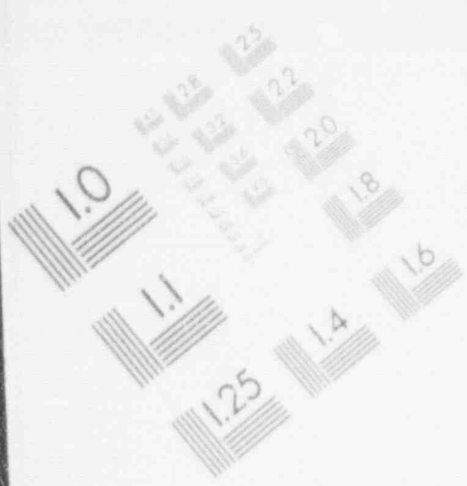
BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	8	1	7	84	
MID	11	1	10	120	
RIGHT	5	1	4	48	
MAX PT.	17	1	16	192	JC

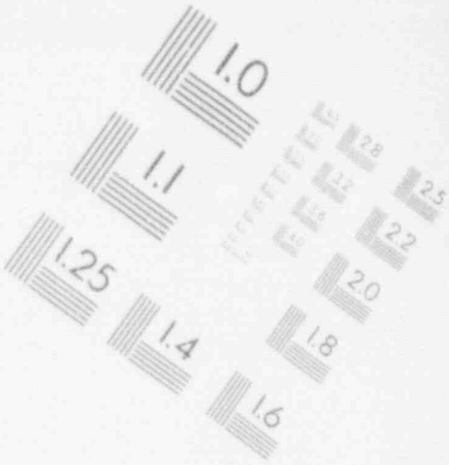
SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	3.7	.7	13	1
	1.7	4.7	5	11

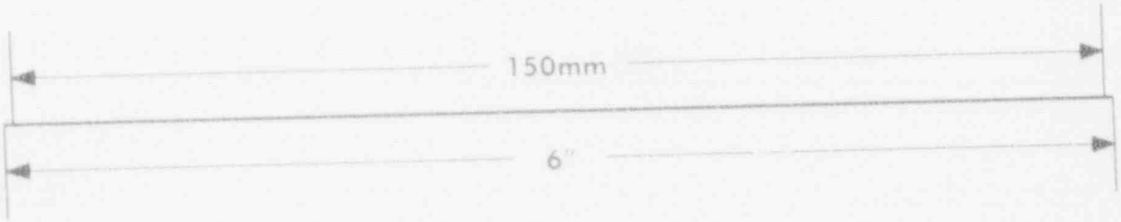
REVIEWED BY: [illegible] DATE: 4-19-91 SS 31

1

IMAGE EVALUATION
TEST TARGET (MT-3)

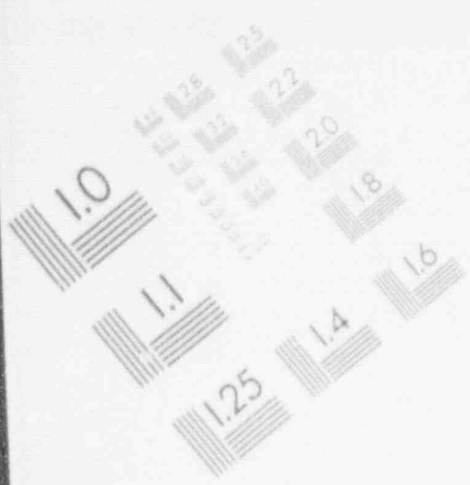


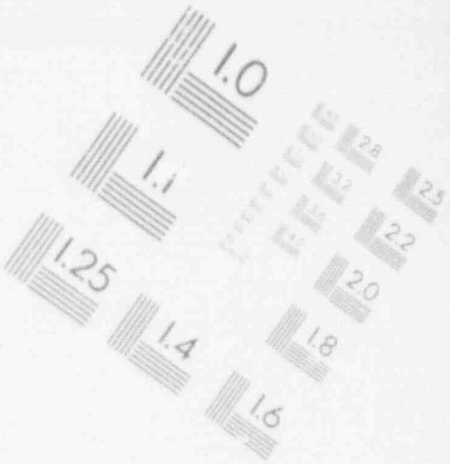


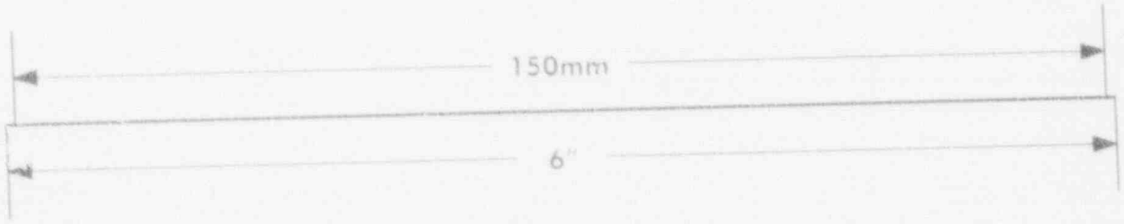


1

IMAGE EVALUATION
TEST TARGET (MT-3)







1

IMAGE EVALUATION
TEST TARGET (MT-3)

150mm

6"

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CC-12

BETA/GAMMA Surveyed By: J. Murphy Date: 2-26-91 Page No. 47

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	51	0	0	
MID	46	51	0	0	
RIGHT	50	51	0	0	
MAX. PT.	no max				68

BETA/GAMMA Surveyed By: J. Murphy Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	45	51	0	0	
MID	39	51	0	0	
RIGHT	31	51	0	0	
L END	40	51	0	0	
END	39	51	0	0	
MAX. PT.	No max				68

BETA/GAMMA Surveyed By: J Murphy Date: 2-26-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	51	0	0	
MID	46	51	0	0	
RIGHT	34	51	0	0	
MAX. PT.	No max				68

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 32

REVIEWED BY: [illegible] DATE: 4-17-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-13

ALPHA Surveyed By: J. Kutia Date: 2-25-91 Page No. 43

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	1	4	48	
MID	4	1	3	36	
RIGHT	4	1	3	36	
MAX. PT	16	2	14	168	km

ALPHA Surveyed By: J. Kutia Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	8	1	7	84	
MID	6	1	5	60	
RIGHT	17	1	16	192	
L END	11	1	10	120	
R END	55	1	54	564	
MAX. PT.	58	2	56	612	km

ALPHA Surveyed By: J. Kutia Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	71	1	70	840	
MID	58	1	57	684	
RIGHT	58	1	57	684	
MAX PT.	112	2	110	1320	km

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	9.7	.7	34	1
	3.7	.7	13	1

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CC-13

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-91 Page No. 44

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	45	57	0	0	
MID	37	57	0	0	
RIGHT	42	57	0	0	
MAX. PT.	n. max				

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	45	57	0	0	
MID	59	57	2	54	
RIGHT	42	57	0	0	
L END	52	57	0	0	
END	38	57	0	0	
MAX. PT.	59	57	2	54	

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-90

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	56	57	0	0	
MID	53	57	0	0	
RIGHT	49	57	0	0	
MAX. PT.	61	57	4	108	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max Point							

SS 34

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CC-14

ALPHA Surveyed By: J. KUTIA Date: 2-25-91 Page No. 40.

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	1	4	48	
MID	3	1	2	24	
RIGHT	4	1	3	36	
MAX. PT.	5	1	4	48	JC

ALPHA Surveyed By: J. KUTIA Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	12	
MID	3	1	2	24	
RIGHT	3	1	2	24	
L END	2	1	1	12	
R END	15	1	14	168	
MAX. PT.	15	1	14	168	JC

ALPHA Surveyed By: J. KUTIA Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	28	1	27	324	
MID	19	1	18	216	
RIGHT	25	1	24	288	
MAX PT.	34	1	33	396	JC

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	5.7	2.7	20	6
	0	2.7	0	6

REVIEWED BY: [illegible] DATE: 4-19-91 SS 35

UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: CL-14

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-91 Page No. 41

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	57	57	0	0	
MID	54	57	0	0	
RIGHT	35	57	0	0	
MAX. PT.	NO MAX				

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	35	57	0	0	
MID	41	57	0	0	
RIGHT	40	57	0	0	
G END	41	57	0	0	
END	34	57	0	0	
MAX. PT.	NO MAX				

BETA/GAMMA Surveyed By: R. GREEN Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	49	57	0	0	
MID	49	57	0	0	
RIGHT	46	57	0	0	
MAX. PT.	NO MAX				

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

REVIEWED BY: [signature] DATE: 4-19-91

SS 36

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: C4.15

ALPHA Surveyed By: J. Kuria Date: 2-25-91 Page No. 37

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	36	
MID	3	1	2	24	
RIGHT	5	1	4	48	
MAX. PT.	6	1	5	60	JK 2-26-91

ALPHA Surveyed By: J. Kuria Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	2	1	1	12	
RIGHT	6	1	5	60	
L END	2	1	1	12	
R END	9	1	8	96	
MAX. PT.	14	1	13	156	

ALPHA Surveyed By: J. Kuria Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	1	40	480	
MID	63	1	62	744	
RIGHT	42	1	41	492	
MAX PT.	73	1	72	864	5-K

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	3.7	0	13	0
	3.7	0	13	0

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-15

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91 Page No. 38

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	50	58	0	0	
MID	42	58	0	0	
RIGHT	33	58	0	0	
MAX. PT.	40	43	0	0	J.K.

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	46	58	0	0	
MID	44	58	0	0	
RIGHT	40	58	0	0	
L END	44	58	0	0	
R END	36	58	0	0	
MAX. PT.	38	43	0	0	J.K.

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-28-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	57	58	0	0	
MID	59	58	1	27	
RIGHT	24	58	0	0	
MAX. PT.	41	43	0	0	J.K.

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 38

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: C6-16

ALPHA Surveyed By: J. Capizzano Date: 2-25-91 Page No. 37

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	1	0	0	
MID	2	1	1	12	
RIGHT	8	1	7	84	
MAX. PT.	8	1	7	84	5K

ALPHA Surveyed By: J. Capizzano Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	12	
MID	3	1	2	24	
RIGHT	8	1	7	84	
L END	8	1	7	84	
END	8	1	7	84	
MAX. PT.	10	1	9	108	

ALPHA Surveyed By: J. Capizzano Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	38	1	37	444	
MID	48	1	47	564	
RIGHT	41	1	40	480	
MAX PT.	95	1	94	1128	9K

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	5.7	0	20	0
	0	2.7	0	6

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-16

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91 Page No. 35

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	48	47	1	27	
MID	47	47	0	0	
RIGHT	42	47	0	0	
MAX. PT.	52	53	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	47	0	0	
MID	41	47	0	0	
RIGHT	34	47	0	0	
L END	53	47	6	162	
END	42	47	0	0	
MAX. PT.	52	53	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-28-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	54	47	7	189	
MID	63	47	16	432	
RIGHT	53	47	6	162	
MAX. PT.	58	50	8	232	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-17

ALPHA Surveyed By: J. Capizzano Date: 2-25-91 Page No. 31

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm².
LEFT	2	1	1	12	
MID	1	1	0	0	
RIGHT	4	1	3	36	
MAX. PT.	4	1	3	36	

ALPHA Surveyed By: J. Capizzano Date: 2-25-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	36	
MID	1	1	0	0	
RIGHT	4	1	3	36	
L END	15	1	14	168	
R END	4	1	3	36	
MAX. PT.	15	1	14	168	

ALPHA Surveyed By: J. Capizzano Date: 2-25-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	12	1	11	132	
MID	10	1	9	108	
RIGHT	11	1	10	120	
MAX PT.	24	1	23	276	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	1.7	4.7	5	11
	0	2.7	0	6

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: CL-17

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91 Page No. 32

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	53	0	0	
MID	52	53	0	0	
RIGHT	44	53	0	0	
MAX. PT.	53	53	0	0	JM

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	40	53	0	0	
MID	47	53	0	0	
RIGHT	38	53	0	0	
L END	37	53	0	0	
END	35	53	0	0	
MAX. PT.	53	53	0	0	JM

BETA/GAMMA Surveyed By: J. Capizzano Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	53	0	0	
MID	41	53	0	0	
RIGHT	54	53	1	27	JM
MAX. PT.	53	53	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MC-5

ALPHA Surveyed By: [illegible] Date: 4/15/91 Page No.

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100
LEFT	1	1	0	0	
MID	2	1	1	9	
RIGHT	1	1	0	0	
MAX. PT.	2	1	1	9	

ALPHA Surveyed By: [illegible] Date: 4/15/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	9	
MID	3	1	2	18	
RIGHT	4	1	3	27	
L END	1	1	0	0	
R END	4	1	3	27	
MAX. PT.	4	1	3	27	

ALPHA Surveyed By: [illegible] Date: 4/15/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	9	
MID	5	1	4	36	
RIGHT	4	1	3	27	
MAX PT.	5	1	4	36	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	.5	.1	1	0
	0	4.1	0	10

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REVIEWED BY: _____ DATE: _____

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-5

BETA/GAMMA Surveyed By: R. Barker Date: 4/15/94 Page No.

T OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	0	55	0	0	
MID	0		0	0	
RIGHT	0		0	0	
MAX. PT.					

BETA/GAMMA Surveyed By: R. Barker Date: 4/15/94

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	0	55	0	0	
MID	0		0	0	
RIGHT	0		0	0	
L END	0		0	0	
R END	0		0	0	
MAX. PT.	0		0	0	

BETA/GAMMA Surveyed By: R. Barker Date: 4/15/94

OTTOM F SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	0	55	0	0	
MID	0		0	0	
RIGHT	0		0	0	
AX. PT.	0		0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Ma Point							
						SS 44	

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-7

ALPHA Surveyed By: Gary PorTelo Date: 2-26-91 Page No. 28

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	10.5	
MID	4	1	3	31.5	
RIGHT	7	1	6	63.0	
MAX. PT.	7	1	6	63.0	60

ALPHA Surveyed By: Gary PorTelo Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	10	1	9	94.5	
MID	6	1	5	52.5	
RIGHT	8	1	7	73.5	
L END	5	1	4	42.0	
R END	4	1	3	31.5	
MAX. PT.	10	1	9	94.5	60

ALPHA Surveyed By: Gary PorTelo Date: 2/26/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	52.5	
MID	4	1	3	31.5	
RIGHT	4	1	3	31.5	
MAX PT.	6	1	5	52.5	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max	.5	4.1	1	10
	.5	0	1	0

REVIEWED BY: [signature] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-7

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91 Page No. 29

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	53	0	0	
MID	45	53	0	0	
RIGHT	31	53	0	0	
MAX. PT.	45	53	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	40	53	0	0	
MID	36	53	0	0	
RIGHT	37	53	0	0	
L END	30	53	0	0	
END	31	53	0	0	
MAX. PT.	40	53	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	53	0	0	
MID	37	53	0	0	
RIGHT	46	53	0	0	
MAX. PT.	46	53	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-8

ALPHA Surveyed By: Gary Portelo Date: 2-26-91 Page No. 25

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	52.5	
MID	3	1	2	21.0	
RIGHT	4	1	3	31.5	
MAX. PT.	6	1	5	52.5	GP

ALPHA Surveyed By: Gary Portelo Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	14	1	13	136.5	
MID	7	1	6	63.0	
RIGHT	5	1	4	42.0	
L END	8	1	7	73.5	
R END	3	1	2	21.0	
MAX. PT.	16	1	15	157.5	GP

ALPHA Surveyed By: Gary Portelo Date: 2-26-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	7	1	6	63.0	
MID	13	1	12	126.0	
RIGHT	4	1	3	31.5	
MAX PT.	18	1	17	178.5	GP

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	4.0	0	13	0
	0	0	0	0

REVIEWED BY: [signature] DATE: 4-19-91 SS 47

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-8

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91 Page No. 26

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	56	53	3	87	
MID	40	53	0	0	
RIGHT	42	53	0	0	
MAX. PT.	56	53	3	87	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	51	53	0	0	
MID	33	53	0	0	
RIGHT	42	53	0	0	
L END	36	53	0	0	
END	33	53	0	0	
MAX. PT.	42	53	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-4-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	53	0	0	
MID	37	53	0	0	
RIGHT	31	53	0	0	
MAX. PT.	42	53	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-9

ALPHA Surveyed By: Gary Portelo Date: 2-26-91 Page No. 22

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	21.0	
MID	4	1	3	31.5	
RIGHT	1	1	0	0	
MAX. PT.	15	1	14	147.0	

ALPHA Surveyed By: Gary Portelo Date: 2-26-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	15	1	14	147.0	
MID	10	1	9	94.5	
RIGHT	7	1	6	63.0	
L END	4	1	3	31.5	
R END	20	1	19	199.5	
MAX. PT.	20	1	19	199.5	

ALPHA Surveyed By: G. PARTELO Date: 2-26-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	15	1	14	147.0	
MID	42	1	41	430.5	
RIGHT	29	1	28	294	
MAX PT.	70	1	69	724.5	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	0	0	0
	2.0	.6	6	1

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-9

BETA/GAMMA Surveyed By: Gary Portelo Date: 3-4-91 Page No. 23

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	39	53	0	0	
MID	40	53	0	0	
RIGHT	32	53	0	0	
MAX. PT.	No MAX				6P

BETA/GAMMA Surveyed By: Gary Portelo Date: 3-4-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	33	53	0	0	
MID	48	53	0	0	
RIGHT	45	53	0	0	
L END	45	53	0	0	
END	29	53	0	0	
MAX. PT.	No MAX				6P

BETA/GAMMA Surveyed By: Gary Portelo Date: 3-4-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	51	53	0	0	
MID	47	53	0	0	
RIGHT	36	53	0	0	
MAX. PT.	69	53	16	464	6P

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-10

ALPHA Surveyed By: Gary PorTelo Date: 2-27-91 Page No. 19

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	21.0	
MID	3	1	2	24	
RIGHT	4	1	3	24	
MAX. PT.	8	1	7	73.5	6P

ALPHA Surveyed By: Gary PorTelo Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	7	1	6	63.0	
MID	4	1	3	31.5	
RIGHT	4	1	3	36	
L END	1	1	0	0	
R END	8	1	7	84	
MAX. PT.	11	1	10	105.0	6P

ALPHA Surveyed By: Gary PorTelo Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	11	1	10	105.0	
MID	16	1	15	180	
RIGHT	8	1	7	84	
MAX PT.	20	1	19	199.5	6P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	4.0	.6	13	1
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91 SS 51

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-10

BETA/GAMMA Surveyed By: J. Kutia Date: 3-5-91 Page No. 20

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	47	46	1	29	
MID	54	46	8	232	
RIGHT	42	46	0	0	
MAX. PT.	54	46	8	232	

BETA/GAMMA Surveyed By: J. Kutia Date: 3/5/91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	31	46	0	0	
MID	30	46	0	0	
RIGHT	35	46	0	0	
L END	38	46	0	0	
END	37	46	0	0	
MAX. PT.	38	46	0	0	

BETA/GAMMA Surveyed By: J. Kutia Date: 3/5/91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	55	46	9	261	
MID	49	46	3	87	
RIGHT	58	46	12	348	
MAX. PT.	58	46	12	348	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-11

ALPHA Surveyed By: J. Kutia Date: 2-27-91 Page No. 16

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	4	1	3	36	
RIGHT	13	1	12	144	
MAX. PT.	49	1	48	504	6P

ALPHA Surveyed By: J. Kutia Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	36	
MID	4	1	3	36	
RIGHT	3	1	2	24	
L END	2	1	1	12	
R END	6	1	5	66	
MAX. PT.	10	1	9	94.5	6P

ALPHA Surveyed By: J. Kutia Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	19	1	18	216	
MID	7	1	6	72	
RIGHT	11	1	10	120	
MAX PT.	56	1	55	577.5	6P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	0	0	0
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91

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UNC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: MR-11

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91 Page No. 17

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	31	48	0	0	
MID	38	48	0	0	
RIGHT	45	48	0	0	
MAX. PT.	45	48	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	36	48	0	0	
MID	48	48	0	0	
RIGHT	33	48	0	0	
L END	41	48	0	0	
END	29	48	0	0	
MAX. PT.	48	48	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	38	48	0	0	
MID	37	48	0	0	
RIGHT	29	48	0	0	
MAX. PT.	38	48	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

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REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MB-12

ALPHA Surveyed By: J. Futia Date: 2-27-91 Page No. 13

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	36	
MID	5	1	4	48	
RIGHT	5	1	4	48	
MAX. PT.	7	1	6	63.0	8P

ALPHA Surveyed By: J. Futia Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	60	
MID	5	1	4	48	
RIGHT	7	1	6	72	
L END	3	1	2	24	
R END	4	1	3	36	
MAX. PT.	8	1	7	73.5	

ALPHA Surveyed By: J. Futia Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	1	0	0	
MID	8	1	7	84	
RIGHT	8	1	7	84	
MAX PT.	23	1	22	231	8P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	.6	0	1
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91

SS 55

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-12

BETA/GAMMA Surveyed By: J. Kuria Date: 3-5-91 Page No. 14

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	38	48	0	0	
MID	43	48	0	0	
RIGHT	37	43	0	0	
MAX. PT.	43	48	0	0.	

BETA/GAMMA Surveyed By: J. Kuria Date: 3-5-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	34	48	0	0	
MID	22	48	0	0	
RIGHT	30	48	0	0	
L END	43	48	0	0	
END	33	48	0	0	
MAX. PT.	43	48	0	0	

BETA/GAMMA Surveyed By: J. Kuria Date: 3-5-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	48	0	0	
MID	30	48	0	0	
RIGHT	20	48	0	0	
MAX. PT.	42	48	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 56

REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-13

ALPHA Surveyed By: J. Kutia Date: 2-27-91 Page No. 10

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	6	1	5	60	
RIGHT	3	1	2	24	
MAX. PT.	6	3	3	36	SS.

ALPHA Surveyed By: J. Kutia Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	2	1	1	12	
MID	3	1	2	24	
RIGHT	4	1	3	36	
L END	4	1	3	36	
R END	4	1	3	36	
MAX. PT.	10	3	7	84	SS.

ALPHA Surveyed By: J. Kutia Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	7	1	6	72	
MID	7	1	6	72	
RIGHT	4	1	3	36	
MAX PT.	7	1	6	72	6P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	46	0	11
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91

SS 57

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-13

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91 Page No. 11

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	44	48	0	0	
MID	32	48	0	0	
RIGHT	38	48	0	0	
MAX. PT.	44	48	0	0	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	49	48	1	29	
MID	49	48	1	29	
RIGHT	49	48	1	29	
L. END	40	48	0	0	
R. END	37	48	0	0	
MAX. PT.	49	48	1	29	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-5-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	41	48	0	0	
MID	41	48	0	0	
RIGHT	39	48	0	0	
MAX. PT.	41	48	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 58

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-14

ALPHA Surveyed By: J. Kulia Date: 2-27-91 Page No. 7

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	10	1	9	108	
MID	2	1	1	12	
RIGHT	3	1	2	24	
MAX. PT.	16	1	9	108	6P

ALPHA Surveyed By: J. Kulia Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	8	1	7	84	
MID	7	1	6	72	
RIGHT	4	1	3	36	
L END	6	1	5	66	
R END	4	1	3	36	
MAX. PT.	8	1	7	84	6P

ALPHA Surveyed By: Date:

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	3	1	2	24	
MID	3	1	2	24	
RIGHT	3	1	2	216	
MAX PT.	11	1	10	105.0	6P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	0	0	0
	2.0	2.6	3	6

REVIEWED BY: [illegible] DATE: 4-19-91

SS 59

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-14

BETA/GAMMA Surveyed By: J. Kuma Date: 3-5-91 Page No. 8

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	39	48	0	0	
M	36	48	0	0	
RIGHT	39	48	0	0	
MAX. PT.	39	48	0	0	

BETA/GAMMA Surveyed By: J. Kuma Date: 3-5-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	39	48	0	0	
MID	37	48	0	0	
RIGHT	45	18	0	0	
END	44	48	0	0	
END	38	48	0	0	
MAX. PT.	45	48	0	0	

BETA/GAMMA Surveyed By: _____ Date: _____

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	47	48	0	0	
MID	42	48	0	0	
RIGHT	33	48	0	0	
MAX. PT.	47	48	0	0	

SF R RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							
						SS 60	

REVIEWED BY: [signature] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-15

ALPHA Surveyed By: Gary Portelo Date: 2-27-91 Page No. 81

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	4	1	3	31.5	
MID	4	1	3	31.5	
RIGHT	5	1	4	42.0	
MAX. PT.	7	1	6	63.0	61

ALPHA Surveyed By: Gary Portelo Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	18	1	17	178.5	
MID	7	1	6	63.0	
RIGHT	11	1	10	105.0	
L END	7	1	6	63.0	
R END	13	1	12	126.0	
MAX. PT.	18	1	17	178.0	61

ALPHA Surveyed By: Gary Portelo Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	37	1	36	378	
MID	14	1	13	136.5	
RIGHT	7	1	6	63.0	
MAX PT.	44	1	43	451.5	61

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	2.0	0	6	0
	6.0	2.6	20	6

SS 61

REVIEWED BY: [illegible] DATE: 4-19-91

ONC NAVAL PRODUCTS

FACILITY FREE RELEASE SURVEY SHEET

SURVEY BLOCK: MR-15

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91 Page No. 82

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	34	48	0	0	
MID	46	48	0	0	
RIGHT	40	48	0	0	
MAX. PT.	46	48	0	0	

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	48	0	0	
MID	42	48	0	0	
RIGHT	44	48	0	0	
END	47	48	0	0	
END	28	48	0	0	
MAX. PT.	47	48	0	0	

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	48	48	0	0	
MID	40	48	0	0	
RIGHT	33	48	0	0	
MAX. PT.	48	48	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							
						SS 62	

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-16

ALPHA Surveyed By: Gary Portela Date: 2-27-91 Page No. 4

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	52.0	
MID	3	1	2	21.0	
RIGHT	3	1	2	21.0	
MAX. PT.					

ALPHA Surveyed By: Gary Portela Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	11	1	10	105.0	
MID	15	1	14	147.0	
RIGHT	19	1	18	189.0	
L END	34	1	33	346.5	
END	12	1	21	115.5	
MAX. PT.	34	1	33	346.5	

ALPHA Surveyed By: Gary Portela Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	52.5	
MID	3	1	2	21.0	
RIGHT	2	1	1	10.5	
MAX PT.	8	1	7	73.5	

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	2.0	.6	6	1
	0	.6	0	1

SS 63

REVIEWED BY: [illegible] DATE: 4-19-91

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MC-16

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-6-91 Page No. 5

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	34	49	0	0	
MID	57	49	8	232	
RIGHT	36	49	0	0	
MAX. PT.	57	49	8	232	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-6-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	42	49	0	0	
MID	52	49	3	87	
RIGHT	39	49	0	0	
END	43	49	0	0	
END	40	49	0	0	
MAX. PT.	52	49	3	87	

BETA/GAMMA Surveyed By: J. Capizzano Date: 3-6-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	49	49	0	0	
MID	49	49	0	0	
RIGHT	34	49	0	0	
MAX. PT.	49	49	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 64

REVIEWED BY: 4-19-91 DATE:

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-19

...eyed By: Gary PorTelo Date: 2-27-91 Page No. 1

... OF ... LF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	5	1	4	42.0	
MID	2	1	1	10.5	
RIGHT	3	1	2	21.0	
MAX. PT.	10	1	9	94.5	6P

ALPHA Surveyed By: Gary PorTelo Date: 2-27-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	1	1	0	0	
MID	7	1	6	63.0	
RIGHT	1	1	0	0	
L END	6	1	5	52.5	
[illegible]END					6P
MAX. PT.	12	1	11	115.5	

ALPHA Surveyed By: Gary PorTelo Date: 2-27-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	6	1	5	52.5	
MID	4	1	3	31.5	
RIGHT	3	1	2	21.0	
MAX PT.	6	1	5	52.5	6P

SMEAR RESULTS IDENTIFICATION	ALPHA net cpm	BETA net cpm	ALPHA dpm/100cm	BETA dpm/100cm
max.	0	0	0	0
	0	0	0	0

REVIEWED BY: [illegible] DATE: 4-19-91 SS 65

UNC NAVAL PRODUCTS
FACILITY FREE RELEASE SURVEY SHEET
SURVEY BLOCK: MR-17

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91 Page No. 2

TOP OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	49	49	0	0	
MID	42	49	0	0	
RIGHT	42	49	0	0	
MAX. PT.	49	49	0	0	

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91

BACK OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	49	49	0	0	
MID	42	49	0	0	
RIGHT	42	49	0	0	
END					
END					
MAX. PT.	49	49	0	0	

BETA/GAMMA Surveyed By: J. Kutia Date: 3-6-91

BOTTOM OF SHELF	COUNTS PER MINUTE	BACKGROUND	CORRECTED COUNTS	DPM/ 100 cm²	AVERAGE DPM/100cm²
LEFT	35	49	0	0	
MID	38	49	0	0	
RIGHT	36	49	0	0	
MAX. PT.	36	49	0	0	

SMEAR RESULTS IDENTIFICATION	Time (min)	Alpha Cts.	Beta Cts.	Alpha CPM	Beta CPM	Alpha/ Ka	Beta/ Kb
Max. Point							

SS 66

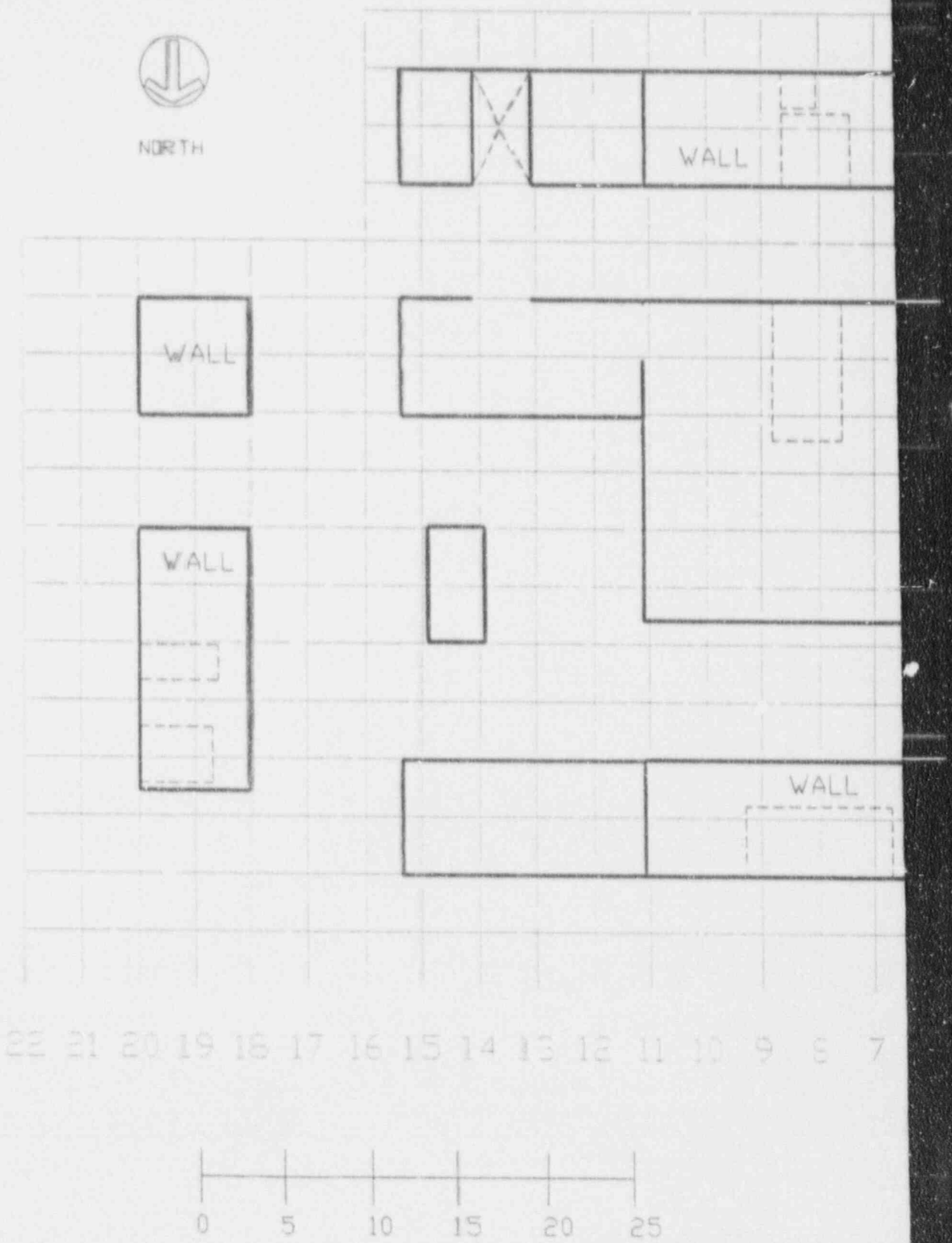
REVIEWED BY: [illegible] DATE: 4-19-91

APPENDIX C

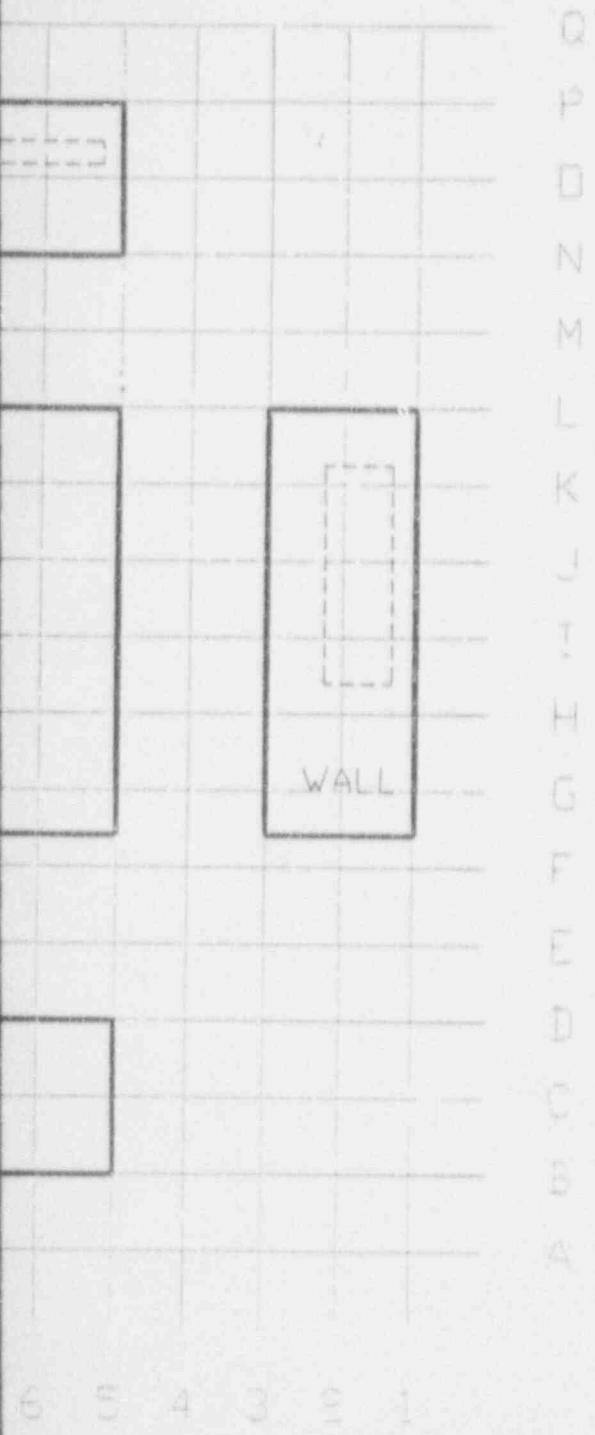
PACK ASSEMBLY SUPPORT DATA

SURVEY GRID MAPS
LOWER SURFACES
UPPER SURFACES
SPECIAL SURVEYS
PAINT SAMPLES

SURVEY GRID MAPS


NORTH
WALL
WALL
WALL
WALL
22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7
0 5 10 15 20 25

SGM1

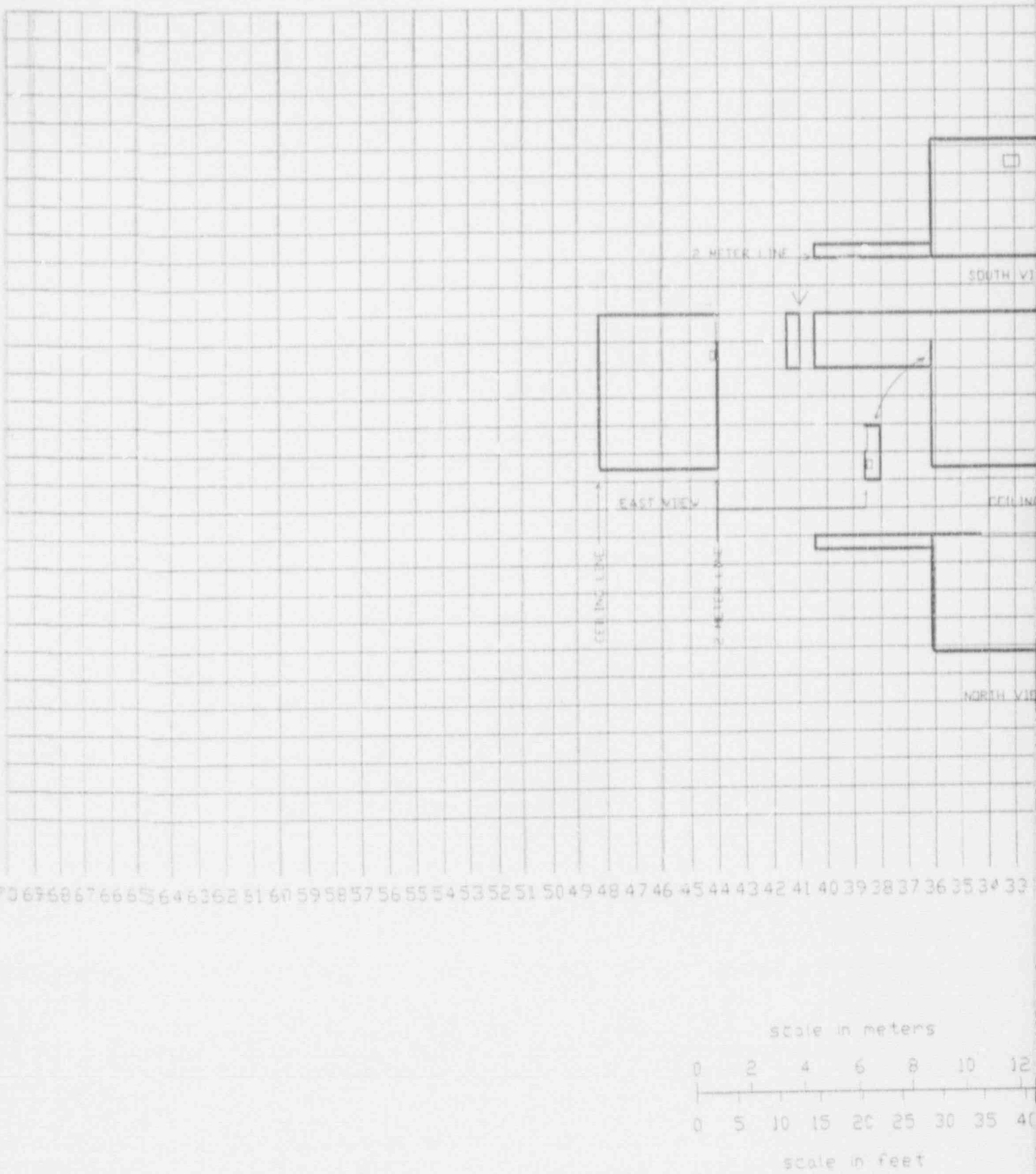


RADIOLOGICAL SURVEY----FINAL
LOCATION-PACK ASSEMBLY
DRAWING SCALE 1/4" = FT (3)
GRID 1 METER
ACAD FILE: DECON\PAC-ASMB

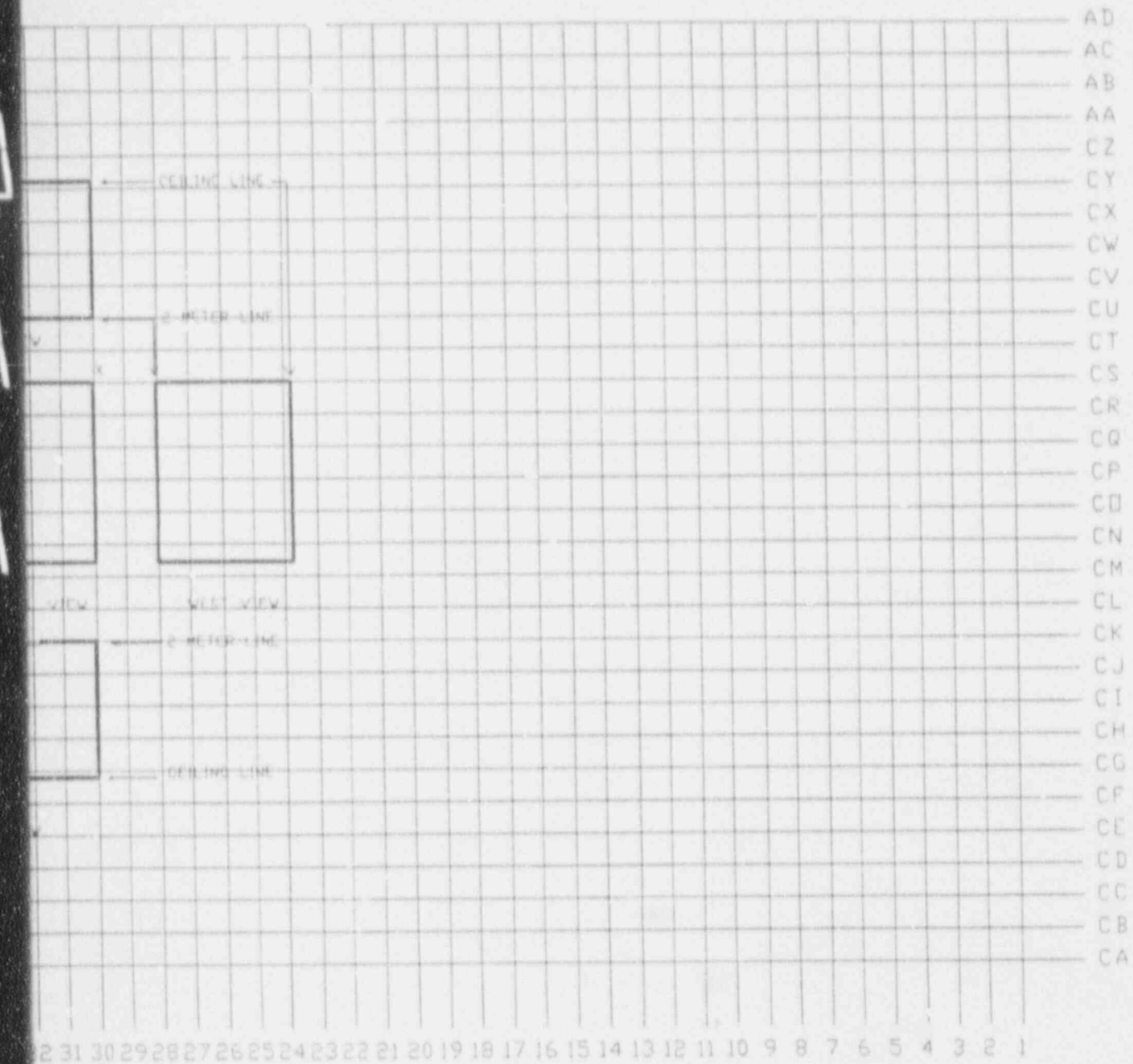
SI
APERTURE
CARD

Also Available On
Aperture Card

9212140147-29


2 METER LINE
SOUTH VI
EAST VIEW
CEILING LINE
2 METER LINE
NORTH VIE
scale in meters
0 2 4 6 8 10 12
0 5 10 15 20 25 30 35 40
scale in feet

SGM2



14

NORTH

RADIOLOGICAL SURVEY-----FINAL
LOCATION: PACK-ASMB
DRAWING SCALE 1/8"= 1' (3A)
GRID- 1 METER
ACAD FILE: DECONY C-PACK

9212140147-30

LOWER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 B5	<200	0	<200	0	1	0
3 B6	<200	0	<200	0	0	0
3 B7	<200	0	<200	0	0	0
3 B8	<200	0	<200	0	0	0
89	<200	0	<200	0	0	0
3 B10	<200	0	<200	0	1	1
3 B11A	<200	0	<200	0	4	0
3 B12	<200	0	<200	0	0	0
3 B13	<200	0	<200	0	0	0
3 B14	<200	0	<200	0	4	0
3 B15	<200	0	<200	0	0	0
3 C5	<200	0	<200	0	0	6
3 C6	<200	0	<200	0	3	1
3 C7	<200	0	<200	0	6	1
3 C8	<200	0	500	0	4	1
3 C9	<200	0	200	0	4	0
3 C10	<200	0	<200	0	1	0
3 C11A	<200	0	<200	0	0	1
3 C12	<200	0	<200	0	0	0
3 C13	<200	0	<200	0	1	3
3 C14	<200	0	<200	0	4	0
3 C15	<200	0	<200	0	18	1
3 C18	<200	0	<200	0	0	0
3 C19	<200	0	<200	0	0	1
3 D18	<200	0	<200	0	0	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 D19	<200	0	<200	0	3	0
3 E18	<200	0	540	0	0	0
3 E19	<200	0	<200	0	0	1
3 F1	<200	0	<200	0	4	0
3 F2	<200	0	<200	0	0	0
3 F5	<200	0	<200	0	0	4
3 F6	<200	0	<200	0	0	0
3 F7	<200	0	<200	0	0	0
3 F8	<200	0	<200	0	0	1
3 F9	<200	0	<200	0	0	1
3 F10	<200	0	<200	0	0	4
3 F11	<200	0	<200	0	0	0
3 F14	<200	0	<200	0	0	0
3 F15	<200	0	<200	0	1	0
3 F18	<200	0	<200	0	4	1
3 F19	<200	0	<200	0	0	0
3 G1	<200	0	<200	0	0	0
3 G2	<200	0	<200	0	[illegible]	0
3 G5	<200	0	<200	0	0	0
3 G6	<200	0	<200	0	0	0
3 G7	<200	0	<200	0	0	0
3 G8	<200	0	<200	0	0	0
3 G9	<200	0	<200	0	0	0
3 G10	<200	0	<200	0	0	0
3 G11	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 G14	<200	0	<200	0	0	0
3 G15	<200	0	<200	0	4	0
3 G18	<200	0	360	0	3	4
3 G19	<200	0	<200	0	0	0
3 H1	<200	0	<200	0	0	0
3 H2	<200	0	<200	0	4	0
3 H5	<200	0	<200	0	0	1
3 H6	<200	0	<200	0	0	0
3 H7	<200	0	<200	0	0	1
3 H8	<200	0	<200	0	13	1
3 H9	<200	0	<200	0	0	0
3 H10	<200	0	<200	0	0	0
3 H11	<200	0	<200	0	0	0
3 H18	<200	0	270	0	1	0
3 H19	<200	0	<200	0	0	0
3 I1	<200	0	<200	0	0	0
3 I2	<200	0	<200	0	1	0
3 I5	<200	0	<200	0	0	6
3 I6	<200	0	<200	0	9	4
3 I7	<200	0	<200	0	0	4
3 I8	<200	0	360	0	0	0
3 I9	<200	0	<200	0	0	0
3 I10	<200	0	<200	0	0	0
3 I11	<200	0	<200	0	0	0
3 J1	<200	0	<200	0	1	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 J2	<200	0	<200	0	1	0
3 J5	<200	0	750	0	3	1
3 J6	<200	0	<200	0	0	0
3 J7	<200	0	<200	0	0	0
3 J8	<200	0	<200	0	0	0
3 J9	<200	0	<200	0	19	4
3 J10	<200	0	<200	0	0	0
3 J11	<200	0	<200	0	0	0
3 J11A	<200	0	440	0	1	2
3 J12	<200	0	<200	0	1	0
3 J13	<200	0	400	0	11	0
3 J14	<200	520	<200	2600	17	7
3 J15	<200	0	600	0	0	0
3 J18	<200	0	<200	0	0	1
3 J19	<200	0	<200	0	0	1
3 K1	<200	0	<200	0	4	0
3 K2	<200	0	<200	0	0	0
3 K5	<200	0	<200	0	0	1
3 K6	<200	0	270	0	0	0
3 K7	<200	0	<200	0	0	1
3 K8	<200	0	<200	0	0	1
3 K9	<200	0	<200	0	0	0
3 K10	<200	0	<200	0	0	4
3 K11	<200	0	<200	0	0	0
3 K11A	<200	0	360	0	1	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 K12	<200	0	540	0	1	0
3 K13	<200	0	<200	0	0	0
3 K14	<200	0	2610	0	7	0
3 K15	<200	0	<200	0	0	0
3 K18	<200	0	<200	0	1	3
3 K19	<200	0	<200	0	1	1
3 N5	<200	0	<200	0	0	0
3 N6	<200	0	800	0	0	1
3 N7	<200	0	<200	0	0	0
3 N8	<200	0	<200	0	0	0
3 N9	<200	0	<200	0	0	0
3 N10	<200	0	<200	0	1	1
3 N11	<200	0	<200	0	1	1
3 N11A	<200	0	<200	0	0	0
3 N12	<200	0	<200	0	4	3
3 N13	<200	0	<200	0	11	8
3 N14	<200	0	<200	0	8	0
3 N15	<200	0	<200	0	0	0
3 O5	<200	0	<200	0	0	0
3 O6	<200	0	550	104	3	4
3 O7	<200	0	286	208	13	9
3 O8	<200	0	<200	0	14	6
3 O9	<200	0	<200	0	3	4
3 O10	<200	0	540	0	0	0
3 O11	<200	0	<200	0	1	1

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 O11A	<200	0	<200	0	1	0
3 O12	<200	0	<200	0	0	0
3 O13	<200	0	<200	0	0	0
3 O14	<200	0	<200	0	8	1
3 O15	<200	0	<200	0	8	0

SHEET ____ of ____

UPPER SURFACES

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CJ40	<200	0	<200	0	0	2
3 CM38	<200	0	<200	0	6	0
3 CN38	<200	0	<200	0	0	2
3 CR36	<200	0	<200	0	0	5
3 CR37	<200	0	<200	0	0	0
3 CR38	<200	0	<200	0	0	0
3 CR39	<200	0	<200	0	0	0
3 CR41	<200	0	<200	0	0	2
3 CS36	<200	0	<200	0	9	5
3 CS37	<200	0	<200	0	0	2
3 CS38	<200	0	<200	0	2	7
3 CS39	<200	0	<200	0	0	0
3 CS41	<200	0	<200	0	0	2
3 CU37	<200	0	<200	0	0	2
3 CU38	<200	0	<200	0	0	2
3 CU39	<200	0	<200	0	23	7
3 CU40	<200	0	<200	0	2	0

SHEET of

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CW31	<200	0	<200	0	2	7
3 CW32	<200	0	<200	0	0	0
3 CW33	<200	0	<200	0	2	0
3 CW34	<200	0	<200	0	2	2
3 CW35	<200	0	<200	0	2	2
3 CW36	<200	0	<200	0	2	2
3 CX30	<200	0	<200	0	0	2
3 CX31	<200	0	<200	0	2	5
3 CX32	<200	0	<200	0	2	0
3 CX33	<200	0	<200	0	2	10
3 CX34	<200	0	<200	0	2	0
3 CX35	<200	0	<200	0	2	0
3 CX36	<200	0	<200	0	6	5
3 CY30	<200	0	<200	0	0	0
3 CY31	<200	0	<200	0	6	0
3 CY32	<200	0	<200	0	2	0
3 CY33	<200	0	<200	0	0	0
3 CY34	<200	0	<200	0	2	0
3 CY35	<200	0	<200	0	0	0
3 CY36	<200	0	<200	0	0	5
3 CI36	<200	0	<200	0	0	7
3 CJ37	<200	0	<200	0	0	5
3 CJ38	<200	0	<200	0	0	0
3 CJ39	<200	0	<200	0	0	7

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CF30	<200	0	<200	0	0	2
3 CF31	<200	161	<200	527	2	5
3 CF32	<200	0	<200	0	0	0
3 CF33	<200	422	<200	868	0	0
3 CF34	<200	0	<200	0	0	2
3 CF35	<200	0	<200	0	2	0
3 CF36	<200	0	<200	0	0	0
3 CG30	<200	0	<200	0	8	2
3 CG31	<200	136	<200	403	2	0
3 CG32	<200	229	<200	496	2	7
3 CG33	<200	248	<200	775	0	0
3 CG34	<200	0	<200	0	2	5
3 CG35	<200	0	<200	0	0	2
3 CG36	<200	0	<200	0	5	5
3 CH30	<200	0	<200	0	12	0
3 CH31	<200	0	<200	0	0	2
3 CH32	<200	0	<200	0	0	7
3 CH33	<200	0	<200	0	0	0
3 CH34	<200	0	<200	0	2	0
3 CH35	<200	0	<200	0	0	0
3 CH36	<200	0	<200	0	2	0
3 CI30	<200	0	<200	0	0	2
3 CI31	<200	0	<200	0	2	0
3 CI32	<200	0	<200	0	0	0
3 CI33	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3 A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CI34	<200	0	<200	0	0	0
3 CI35	<200	0	<200	0	0	2
3 CI36	<200	0	<200	0	5	0
3 CJ30	<200	0	<200	0	0	0
3 CJ31	<200	0	<200	0	2	5
3 CJ32	<200	0	<200	0	0	0
3 CJ33	<200	0	<200	0	0	0
3 CJ34	<200	0	<200	0	2	2
3 CJ35	<200	0	<200	0	2	0
3 CN23	<200	0	<200	0	0	0
3 CN24	<200	0	<200	0	6	7
3 CN25	<200	0	<200	0	0	2
3 CN26	<200	0	<200	0	6	0
3 CN27	<200	0	<200	0	0	0
3 CN30	<200	0	<200	0	0	0
3 CN31	<200	0	<200	0	2	0
3 CN32	<200	0	<200	0	0	0
3 CN33	<200	0	<200	0	0	0
3 CN34	<200	0	<200	0	0	0
3 CN35	<200	0	<200	0	0	0
3 CN36	<200	0	<200	0	3	4
3 CN44	<200	0	<200	0	0	2
3 CN45	<200	0	<200	0	5	2
3 CN46	<200	0	<200	0	0	0
3 CN47	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3 A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CN48	<200	0	<200	0	0	0
3 CO23	<200	0	<200	0	0	0
3 CO24	<200	0	<200	0	0	0
3 CO25	<200	0	<200	0	2	0
3 CO26	<200	0	<200	0	2	2
3 CO27	<200	0	<200	0	0	0
3 CO30	<200	0	<200	0	0	0
3 CO31	<200	0	<200	0	0	0
3 CO32	<200	0	<200	0	0	0
3 CO33	<200	0	<200	0	2	2
3 CO34	<200	0	<200	0	6	0
3 CO35	<200	0	<200	0	0	2
3 CO36	<200	0	<200	0	0	0
3 CO44	<200	0	700	0	12	2
3 CO45	<200	0	<200	0	2	0
3 CO46	<200	0	<200	0	2	0
3 CO47	<200	0	<200	0	0	2
3 CO48	<200	0	<200	0	0	0
3 CP23	<200	0	<200	0	0	0
3 CP24	<200	0	<200	0	0	2
3 CP25	<200	0	<200	0	0	0
3 CP26	<200	0	<200	0	0	0
3 CP27	<200	0	<200	0	2	2
3 CP30	<200	0	<200	0	0	0
3 CP31	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3 A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CP32	<200	0	<200	0	6	0
3 CP33	<200	0	<200	0	2	0
3 CP34	<200	0	<200	0	2	0
3 CP35	<200	0	<200	0	0	5
3 CP36	<200	0	<200	0	0	0
3 CP44	<200	0	300	0	5	0
3 CP45	<200	0	<200	0	2	0
3 CP46	<200	0	<200	0	2	5
3 CP47	<200	0	<200	0	2	2
3 CP48	<200	0	<200	0	18	5
3 CQ23	<200	0	<200	0	2	2
3 CQ24	<200	0	<200	0	0	0
3 CQ25	<200	0	<200	0	0	0
3 CQ26	<200	0	<200	0	0	0
3 CQ27	<200	0	<200	0	9	2
3 CQ30	<200	0	<200	0	0	0
3 CQ31	<200	0	<200	0	6	2
3 CQ32	<200	0	<200	0	2	2
3 CQ33	<200	0	<200	0	0	0
3 CQ34	<200	0	<200	0	0	0
3 CQ35	<200	0	<200	0	0	5
3 CQ36	<200	0	<200	0	0	0
3 CQ44	<200	0	<200	0	0	0
3 CQ45	<200	0	<200	0	2	5
3 CQ46	<200	0	<200	0	2	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3 A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CQ47	<200	0	<200	0	0	0
3 CQ48	<200	0	<200	0	2	0
3 CR23	<200	0	<200	0	0	0
3 CR24	<200	0	<200	0	0	0
3 CR25	<200	0	<200	0	0	0
3 CR26	<200	0	<200	0	0	5
3 CR27	<200	0	<200	0	6	2
3 CR30	<200	0	<200	0	0	0
3 CR31	<200	0	<200	0	0	2
3 CR32	<200	0	<200	0	0	0
3 CR33	<200	0	<200	0	6	2
3 CR34	<200	0	<200	0	2	0
3 CR35	<200	0	<200	0	0	5
3 CR36	<200	0	<200	0	0	0
3 CR44	<200	0	<200	0	0	5
3 CR45	<200	0	<200	0	0	0
3 CR46	<200	0	<200	0	0	0
3 CR47	<200	0	<200	0	8	2
3 CR48	<200	0	<200	0	12	0
3 CS23	<200	0	<200	0	0	0
3 CS24	<200	0	<200	0	0	0
3 CS25	<200	0	<200	0	2	0
3 CS26	<200	0	<200	0	0	0
3 CS27	<200	0	<200	0	9	0
3 CS30	<200	0	<200	0	0	0

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

PACK ASSEMBLY	3 A
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3 CS31	<200	0	<200	0	0	0
3 CS32	<200	0	<200	0	2	2
3 CS33	<200	0	<200	0	0	0
3 CS34	<200	0	<200	0	0	0
3 CS35	<200	0	<200	0	0	0
3 CS44	<200	0	<200	0	0	2
3 CS45	<200	0	<200	0	2	0
3 CS46	<200	0	<200	0	0	2
3 CS47	<200	0	<200	0	0	0
3 CS48	<200	0	<200	0	2	0
3 CU30	<200	0	<200	0	2	0
3 CU31	<200	0	<200	0	12	2
3 CU32	<200	0	<200	0	0	0
3 CU33	<200	0	<200	0	2	0
3 CU34	<200	0	<200	0	0	2
3 CU35	<200	0	<200	0	2	2
3 CU36	<200	0	<200	0	2	2
3 CV30	<200	0	<200	0	2	0
3 CV31	<200	0	<200	0	0	2
3 CV32	<200	0	<200	0	0	2
3 CV33	<200	0	<200	0	9	0
3 CV34	<200	0	<200	0	0	5
3 CV35	<200	0	<200	0	6	0
3 CV36	<200	0	<200	0	0	0
3 CW30	<200	0	<200	0	0	2

SHEET _____ of _____

UNC Naval Products

SITE DECONTAMINATION AND DECOMMISSIONING SURVEY DATA

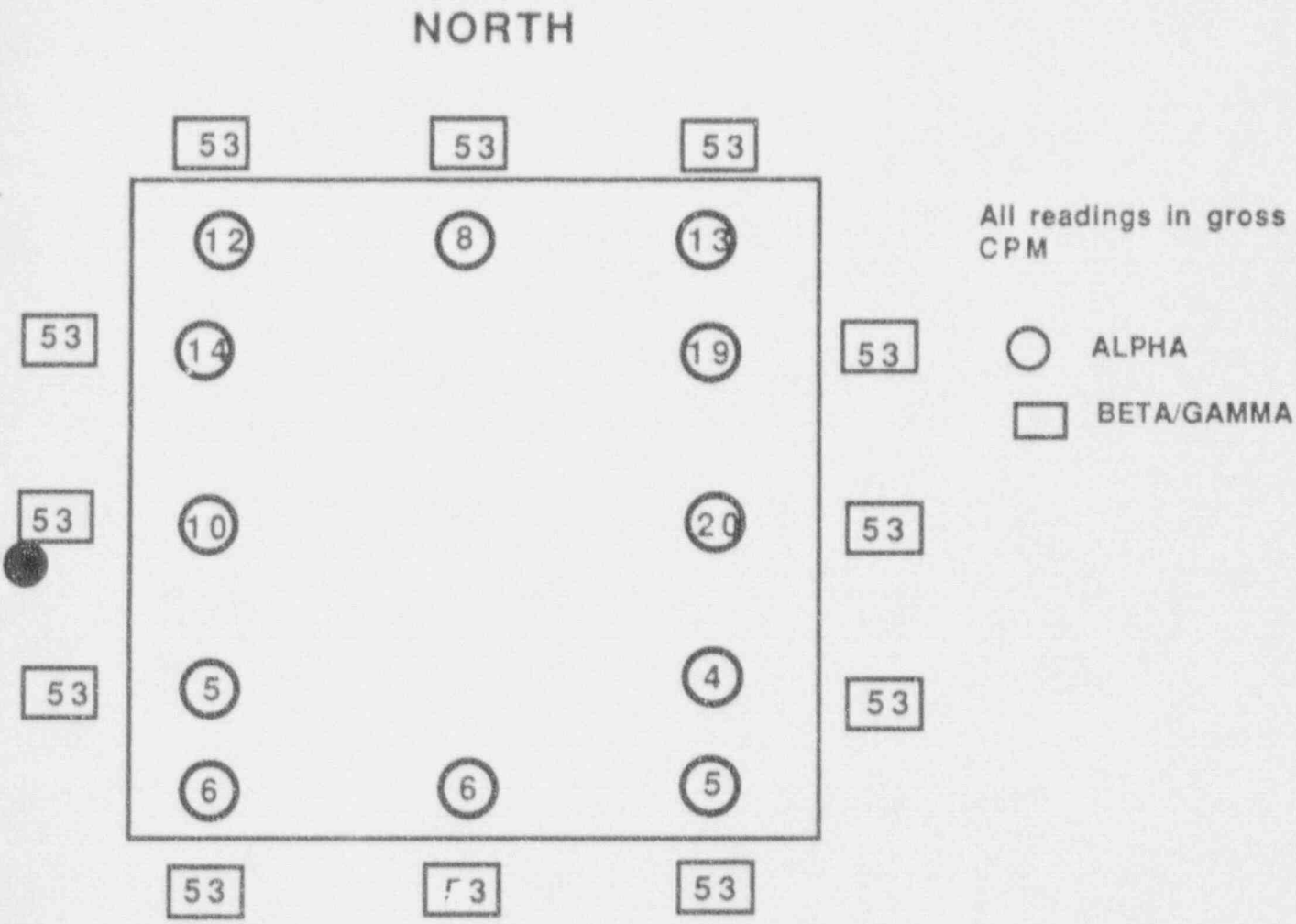
PACK ASSEMBLY	3
BUILDING & AREA	DRAWING No.

SURVEY BLOCK DESIGNATION	TOTAL ACTIVITY LEVELS (dpm/100 cm2)					
	DIRECTLY MEASURED				REMOVABLE	
	AVERAGE		MAXIMUM			
	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA	ALPHA	BETA
3-CB-1	<200	284	<200	792	0	3
3-CB-2	<200	26	250	132	2	0
3-CB3	<200	0	<200	0	0	0
3-CB4	<200	0	1060	510	2	3
3-CB5	<200	0	630	0	0	1
3-CB6	<200	0	270	0	2	1
3-CB7	<200	59	<200	297	0	0
3-CB8	<200	7	<200	33	0	0
3-CB9	<200	0	290	66	0	0
3-CB10	<200	26	270	132	16	3
3-CB11	<200	172	680	363	0	1
3-CB12	<200	495	860	792	2	1
3-GD1	<200	0	<200	0	2	0
3-GD-2	<200	0	<200	0	9	0
3-GD3	<200	0	<200	0	0	0
3-GD4	<200	0	<200	0	2	0
3-GD5	<200	0	<200	0	0	8
3-GD6	<200	0	<200	0	0	0

SHEET _____ of _____

SPECIAL SURVEYS

PACK ASSEMBLY - AREA 3A
ROOF PENETRATION
11-7-91



ALPHA METER

METER #84735
PROBE #80915
BACKGROUND = 4
EFF. = 28%
CAL. DUE 1/29/92

BETA/BAMMA METER

METER #84486
PROBE #68836
BACKGROUND = 53
EFF. = 20%
CAL. DUE - 2/1/92

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. PIETRAS / 1/7/91	Counted By/Date:	R. PIETRAS / 11/7/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.301	Beta/Gamma 0.386	Background:	Alpha 0.1	Beta/Gamma 1.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RDP	11/7/91	84735	'080915	4	28	7.1	1/29/92	x	
Beta/Gamma	RDP	11/7/91	84486	'068863	53	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area PACK ASSEMBLY AREA 3A

Description: ROOF PENETRATION (EXHAUST REMOVED)

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
NORTH EDGE (A)	12	53	57	0	N/A	N/A	1	1	3	0
NORTH EDGE (B)	8	53	29	0	N/A	N/A	N/A	N/A	N/A	N/A
NORTH EDGE (C)	13	53	64	0	N/A	N/A	N/A	N/A	N/A	N/A
EAST EDGE (A)	19	53	107	0	N/A	N/A	0	3	0	4
EAST EDGE (B)	20	53	114	0	N/A	N/A	N/A	[illegible]	N/A	N/A
EAST EDGE (C)	4	53	0	0	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH EDGE (A)	5	53	7	0	N/A	N/A	0	2	0	1
SOUTH EDGE (B)	6	53	14	0	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH EDGE (C)	6	53	14	0	N/A	N/A	N/A	N/A	N/A	N/A
WEST EDGE (A)	5	53	7	0	N/A	N/A	1	2	3	1
WEST EDGE (B)	10	53	43	0	N/A	N/A	N/A	N/A	N/A	N/A
WEST EDGE (C)	14	53	71	0	N/A	N/A	N/A	N/A	N/A	N/A

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. CUSANO / 3/11/91	Counted By/Date:	R. CUSANO / 3/11/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.299	Beta/Gamma 0.379	Background:	Alpha 0.1	Beta/Gamma 0.6

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check	
Alpha	TJP	12/4/91	84484	'080909	5	23	8.7	1/28/92	x	
Beta/Gamma	TJP	12/4/91	84498	'080907	54	19	34.0	2/4/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area PACK ASSEMBLY AREA 3A

Description: ROOF DRAIN LINE

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
HORIZONTAL RUN A	54	62	426	272	N/A	N/A	0	0	0	0
HORIZONTAL RUN B	48	63	374	306	N/A	N/A	0	0	0	0
VERTICAL SECTION A	14	53	78	0	N/A	N/A	0	2	0	4
VERTICAL SECTION B	N/A	N/A	N/A	N/A	N/A	N/A	0	2	0	4
VERTICAL SECTION C	N/A	N/A	N/A	N / A	N/A	N/A	0	1	0	1
VERTICAL SECTION D	N/A	N/A	N/A	N/A	N/A	N/A	1	1	3	1
VERTICAL SECTION E	N/A	N/A	N/A	N/A	N/A	N/A	0	3	0	6

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	J. KUTIA / 11/9/91	Counted By/Date:	J. KUTIA / 11/9/91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.287	Beta/Gamma 0.388	Background:	Alpha 0.2	Beta/Gamma 1.2

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi Factor	Cal. Due	Source Check	
Alpha	JK/RP	11/9/91	84735	'080915	3	14	14.3	1/29/92	x	
Beta/Gamma	JK/RP	11/9/91	874486	'068863	49	20	32.3	2/1/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area PACK ASSEMBLY

Description: TRUSSES

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
TRUSS 1A1	20	59	243	323	N/A	N/A	0	0	0	0
1A2	14	52	157	97	N/A	N/A	1	1	3	0
1A3	13	49	143	0	N/A	N/A	1	0	3	0
1A4	15	49	171	0	N/A	N/A	0	2	0	2
1A5	12	49	129	0	N/A	N/A	0	2	0	2
TRUSS 1B1	8	56	71	226	N/A	N/A	0	0	0	0
1B2	20	49	243	0	N/A	N/A	1	0	3	0
1B3	87	63	1200	452	N/A	N/A	0	2	0	2
1B4	3	53	0	129	N/A	N/A	0	1	0	0
1B5	11	63	114	452	N/A	N/A	0	2	0	2
TRUSS 1C1	32	55	414	194	N/A	N/A	1	3	3	5
1C2	21	49	257	0	N/A	N/A	0	1	0	0
1C3	69	49	943	0	N/A	N/A	0	1	0	0
1C4	24	49	300	0	N/A	N/A	0	1	0	0
1C5	7	52	57	97	N/A	N/A	0	3	0	5
TRUSS 1D1	36	67	471	581	N/A	N/A	2	1	6	0
1D2	74	49	1014	0	N/A	N/A	0	4	0	7
1D3	9	49	86	0	N/A	N/A	0	1	0	0
1D4	8	49	71	0	N/A	N/A	1	3	3	5
1D5	4	52	14	97	N/A	N/A	0	2	0	2

UNC *Naval Products*

HEALTH PHYSICS
Survey Record

Surveyed By/Date:	R. GREEN / 11-4-91	Counted By/Date:	R. GREEN / 11-4-91

Counter Number:	T-3	Efficiency Factor:	Alpha 0.298	Beta/Gamma 0.398	Background:	Alpha 0.4	Beta/Gamma 1.4

SURVEY	Initials	Date	Instrument SN	Probe SN	Bkgd. *	Eff.(%)	Multi.Factor	Cal. Due	Source Check	
Alpha	RG	11-4-91	84735	'080915	2	14	14.3	1/29/92	x	
Beta/Gamma	RG	11-4-91	84488	'080907	49	19	34.0	2/4/92	x	
Micro R										

* Background for meters taken in non-fuel area.

Area PACK ASSEMBLY

Description: GAP BETWEEN ROOF & TOP OF EAST AND WEST WALLS

OBJECT or AREA	FIXED						REMOVABLE			
	Raw CPM		DPM/100 cm2		Micro R/hr		Raw CPM		DPM/100 cm2	
	ALPHA	BETA/GAMMA	ALPHA	BETA/GAMMA	RAW	CORRECTED	ALPHA	BETA-GAMMA	ALPHA	BETA-GAMMA
3ACN23	23	84	300	1188	N/A	N/A	0	0	0	0
3AC023	20	68	257	645	N/A	N/A	0	4	0	7
3ACP23	11	69	129	679	N/A	N/A	2	4	5	7
CACQ23	7	63	71	475	N/A	N/A	0	2	0	2
3ACR23	12	57	143	272	N/A	N/A	2	0	5	0
3ACS23	9	80	100	1053	N/A	N/A	2	0	5	0
3ACG35	9	60	100	374	N/A	N/A	0	6	0	12
3ACF35	25	61	329	407	N/A	N/A	0	0	0	0
3ACN48	5	66	43	577	N/A	N/A	2	2	5	2
3ACO48	8	27	86	0	N/A	N/A	0	2	0	2
3ACP48	5	57	43	272	N/A	N/A	0	0	0	0
3ACP47	64	48	886	0	N/A	N/A	0	0	0	0
3ACQ48	0	41	0	0	N/A	N/A	0	4	0	7
3ACR48	0	61	0	407	N/A	N/A	2	0	5	0
3ACS48	0	65	0	543	N/A	N/A	0	0	0	0

PAINT SAMPLES

CEP WORK ORDER NO:

90-12-160

PACK ASSEMBLY

PAINT CHIPS

CEP WORK ORDER NO: 90-12-160
DATE RECEIVED: 12/10/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 1:			
3B5	1.21		
3B6	1.87		
3B9	2.20		
Group 1, 3B5 - 3B9		2.7 ± 1.0	4.7 ± 2.3
Group 2:			
3B10	1.0		
3B11A	3.64		
3B12	3.31		
Group 2, 3B10 - 3B12		2.9 ± 1.0	6.9 ± 2.4
Group 3:			
3B13	3.88		
3B14	1.90		
3B15	0.91		
Group 3, 3B13 - 3B15		3.0 ± 1.0	2.7 ± 2.1
Group 4:			
3C7A	2.60		
3C9A	3.10		
3C13B	9.02		
Group 4, 3C7A - 3C13B		2.6 ± 1.0	8.2 ± 2.5
Group 5:			
3C15B	1.17		
3C18A	2.09		
3C19	3.60		
Group 5, 3C15B - 3C19		2.5 ± 1.0	3.5 ± 2.2

PAINT CHIPS - Page 2

CEP WORK ORDER NO: 90-12-160
DATE RECEIVED: 12/10/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 6:			
3E18B	1.77		
3D19	0.46		
3E19	1.00		
Group 6, 3E18B - 3E19		<0.6	<0.5
Group 7:			
3F1	2.46		
3F2B	4.54		
3F14B	4.54		
Group 7, 3F1 - 3F14B		<0.6	<0.5
Group 8:			
3F19	0.62		
3G1	1.74		
3G14	4.85		
3G19	1.73		
Group 8, 3F19 - 3G19		2.7 ± 1.5	2.5 ± 2.1
Group 9:			
3H1	2.75		
3H2B	2.76		
3I1	3.10		
Group 9, 3H1 - 3I1		<0.6	<0.5
Group 10:			
3J1	1.20		
3J-18B	2.80		
3J-19	1.42		
Group 10, 3J1 - 3J-19		<0.6	<0.8

PAINT CHIPS - Page 3

CEP WORK ORDER NO: 90-12-160
DATE RECEIVED: 12/10/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 11:			
3K-1	1.38		
3K-18B	1.19		
3K-19	1.90		
Group 11, 3K1 - 3K-19		7.0 ± 2.3	9.1 ± 2.5
Group 12:			
3N-6B	3.68		
3N-7A	5.89		
3N-8A	2.75		
Group 12, 3N-6B - 3N-8A		1.6 ± 1.0	3.5 ± 2.2
Group 13:			
3N-11A	3.44		
3N-12B	4.87		
3N-13A	1.45		
Group 13, 3N-11A - 3N-13A		<0.5	<0.6
Group 14:			
3N-14A	2.01		
3N-15A	0.44		
3N-15B	0.51		
Group 14, 3N-14A - 3N-15B		<0.5	<0.8

QA DATA

FOR

CEP WORK ORDER NO:

90-12-160

PAINT CHIPS

CEP WORK ORDER NO: 90-12-160

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	15.19 ± 1.16 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	13.98 ± 1.10 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	46.29 ± 1.79 pCi
ILS Known Value	43.26 ± 1.75 pCi
Technician Value	45.25 ± 1.77 pCi

CEP WORK ORDER NO:

90-12-161

PACK ASSEMBLY
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-12-161
DATE RECEIVED: 12/10/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
Group 15:			
05	4.87		
06	4.05		
07	5.39		
Group 15, 05 - 07		1.5 ± 1.0	1.6 ± 1.0
Group 16:			
08	4.62		
09	4.46		
010	3.87		
Group 16, 08 - 010		1.7 ± 1.2	2.3 ± 2.1
Group 17:			
011A	2.52		
012	2.29		
013	2.70		
Group 17, 011A - 013		<0.6	<0.5
Group 18:			
014	2.17		
015	1.04		
Group 18, 014 - 015		<0.9	<0.6

QA DATA

FOR

CEP WORK ORDER NO:

90-12-161

PAINT CHIPS

CEP WORK ORDER NO: 90-12-161

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	15.19 ± 1.16 pCi

Gross Beta:

ILS Known Value	43.26 ± 1.75 pCi
Technician Value	45.25 ± 1.77 pCi

CEP WORK ORDER NO:

90-11-435

PACK ASSEMBLY
Paint Samples

PAINT CHIPS

CEP WORK ORDER NO: 90-11-435

DATE RECEIVED: 11/21/90

Sample I.D.	Weight (Grams)	dpm/gm Gross Alpha	dpm/gm Gross Beta
3-C-5A	1.48	2.4 ± 1.8	2.0 ± 1.0
3-C-5B	4.92	1.3 ± 1.0	3.6 ± 2.2
3-C-6B	1.42	1.1 ± 1.0	2.2 ± 1.0
3-C-8B	1.64	1.3 ± 1.0	2.0 ± 1.0
3-C-10B	1.54	1.6 ± 1.0	2.0 ± 1.0
3-K-2B	1.22	2.2 ± 1.6	3.3 ± 2.2
3-J-2B	1.35	1.3 ± 1.0	3.3 ± 2.2
3-I-2A	2.47	1.3 ± 1.0	2.0 ± 1.0
3-G-2B	3.09	1.1 ± 1.0	2.0 ± 1.0
3-N-5B	3.68	2.2 ± 1.8	2.0 ± 1.0
3-N-9B	2.05	1.1 ± 1.0	<0.9
3-N-10B	2.91	1.3 ± 1.0	2.0 ± 1.0
3-D-18B	3.67	<0.9	5.6 ± 2.2
3-F-18B	1.73	1.6 ± 1.3	4.4 ± 2.2
3-G-18B	1.36	1.1 ± 1.0	2.4 ± 2.0
3-C-11A	2.34	1.1 ± 1.0	1.8 ± 1.0
3-C-11 A,B	2.62	1.6 ± 1.3	2.7 ± 2.0
3-C-12B	2.91	1.3 ± 1.0	5.1 ± 2.2
3-C-14B	2.58	1.1 ± 1.0	2.0 ± 1.0
3-N-11A,B	3.47	1.3 ± 1.0	2.0 ± 1.0

QA DATA

FOR

CEP WORK ORDER NO:

90-11-435

PAINT CHIPS

CEP WORK ORDER NO: 91-11-435

QA DATA

Gross Alpha:

ILS Known Value	14.62 ± 1.01 pCi
Technician Value	15.18 ± 1.15 pCi
ILS Known Value	14.62 ± 1.01 pCi
Technican Value	15.32 ± 1.15 pCi

Gross Beta:

ILS Known Value	43.73 ± 2.13 pCi
Technician Value	43.05 ± 1.92 pCi
ILS Known Value	43.73 ± 2.13 pCi
Technician Value	42.79 ± 1.89 pCi

APPENDIX D

Guidelines For Decontamination Of Facilities And Equipment Prior To Release For Unrestricted Use Or Termination Of Licenses For Byproduct, Source, Or Special Nuclear Material

APPENDIX D

GUIDELINES FOR DECONTAMINATION OF FACILITIES AND EQUIPMENT PRIOR TO RELEASE FOR UNRESTRICTED USE OR TERMINATION OF LICENSES FOR BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL

U.S. Nuclear Regulatory Commission
Divison of Fuel Cycle & Material Safety
Washington, D.C. 20555

July 1982

The instructions in this guide, in conjunction with Table 1, specify the radionuclides and radiation exposure rate limits which should be used in decontamination and survey of surfaces or premises and equipment prior to abandonment or release for unrestricted use. The limits in Table 1 do not apply to premises, equipment, or scrap containing induced radioactivity for which the radiological considerations pertinent to their use may be different. The release of such facilities or items from regulatory control is considered on a case-by-case basis.

1. The licensee shall make a reasonable effort to eliminate residual contamination.

2. Radioactivity on equipment or surfaces shall not be covered by paint, plating, or other covering material unless contamination levels, as determined by a survey and documented, are below the limits specified in Table 1 prior to the application of the covering. A reasonable effort must be made to minimize the contamination prior to use of any covering.

3. The radioactivity on the interior surfaces of pipes, drain lines, or ductwork shall be determined by making measurements at all traps, and other appropriate access points, provided that contamination at these locations is likely to be representative of contamination on the interior of the pipes, drain lines, or ductwork. Surfaces or premises, equipment, or scrap which are likely to be contaminated but are of such size, construction, or location as to make the surface inaccessible for purposes of measurement shall be presumed to be contaminated in excess of the limits.

4. Upon request, the Commission may authorize a licensee to relinquish possession or control of premises, equipment, or scrap having surfaces contaminated with materials in excess of the limits specified. This may include, but would not be limited to, special circumstances such as razing of buildings, transfer of premises to another organization continuing work with radioactive materials, or conversion of facilities to a long-term storage or standby status. Such requests must:

   a. Provide detailed, specific information describing the premises, equipment or scrap, radioactive contaminants, and the nature, extent, and degree of residual surface contamination.

   b. Provide a detailed health and safety analysis which reflects that the residual amounts of materials on surface areas, together with other considerations such as prospective use of the premises, equipment or scrap, are unlikely to result in an unreasonable risk to the health and safety of the public.

5. Prior to release of premises for unrestricted use, the licensee shall make a comprehensive radiation survey which establishes that contamination is within the limits specified in Table 1. A copy of

the survey report shall be filed with the Division of Fuel Cycle and Material Safety, USNRC, Washington, D.C. 20555, and also the Administrator of the NRC Regional Office having jurisdiction. The report should be filed at least 30 days prior to the planned date of abandonment. The survey report shall:

a. Identify the premises.

b. Show that reasonable effort has been made to eliminate residual contamination.

c. Describe the scope of the survey and general procedures followed.

d. State the findings of the survey in units specified in the instruction.

Following review of the report, the NRC will consider visiting the facilities to confirm the survey.

TABLE 1

ACCEPTABLE SURFACE CONTAMINATION LEVELS

Nuclides[a]	Average[b,c,f]	Maximum[b,d,f]	Removable[b,e,f]
U-nat, U-235, U-238, and associated decay products	5,000 dpm α/100 cm^2	15,000 dpm α/100 cm^2	1,000 dpm α/100 cm^2
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-125, I-129	100 dpm/100 cm^2	300 dpm/100 cm^2	20 dpm/100 cm^2
Th-nat, Th-232, Sr-90, Ra-223 Ra-224, U-232, I-126, I-131, I-133	1000 dpm/100 cm^2	3000 dpm/100 cm^2	200 dpm/100 cm^2
Beta-gamma emitters (nuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above.	5000 dpm $\beta\gamma$/100 cm^2	15,000 dpm $\beta\gamma$/100 cm^2	1000 dpm $\beta\gamma$/100 cm^2

[a] Where surface contamination by both alpha- and beta-gamma-emitting nuclides exists, the limits established for alpha- and beta-gamma-emitting nuclides should apply independently.

[b] As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

[c] Measurements of average contaminant should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

[d] the maximum contamination level applies to an area of not more than 100 cm^2.

[e] The amount of removable radioactive material per 100 cm^2 of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionally and the entire surface should be wiped.

[f] The average and maximum radiation levels associated with surface contamination resulting from beta-gamma emitters should not exceed 0.2 mrad/h at 1 cm and 1.0 mrad/h at 1 cm, respectively, measured through not more than 7 milligrams per square centimeter of total absorber.